STR-GA7ES/TA-VA7ES

SERVICE MANUAL

US Model
Canadian Model
Australian Model
STR-GA7ES
Chinese Model
TA-VA7ES

Photo: STR-GA7ES

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SPECIFICATIONS

Amplifier section

POWER OUTPUT

Stereo mode 8 ohms 20 Hz - 20 kHz, 90 W + 90 W

Surround mode 8 ohms at 1 kHz, THD 0.8 %

	TA-VA7ES	STR-GA7ES
Front	100W/ch	90 W/ch
Center	100W	90 W
Rear	40W/ch	40 W/ch

Dynamic power output (STR-GA7ES) 140 W + 140 W, 8 ohms
240 W + 240 W, 4 ohms

Harmonic distortion at rated output Less than 0.05 %

Frequency response
PHONO: RIAA equalization curve ±0.5 dB
CD, TAPE, DAT/MD, TV, LD, VIDEO 1, 2:
STR-GA7ES:
10 Hz - 50 kHz $^{+0}_{-1}$ dB
TA-VA7ES:
20Hz-50kHz $^{+0}_{-1}$ dB

Inputs (STR-GA7ES)

	Sensitivity	Impedance	S/N*
PHONO (MM)	2.5 mV	50 kilohms	75 dB
CD, TAPE, DAT/MD, VIDEO 1, 2, 3, TV, LD	150 mV	50 kilohms	82 dB

* '78 IHF

Inputs (TA-VA7ES)

	Sensitivity	Impedance	S/N (Weighting network, input level)
PHONO (MM)	2.5 mV	50 kilohms	78 dB (A, 5 mV)
CD TAPE, DAT/MD, VIDEO 1, 2, 3, TV, LD, TUNER	150 mV	50 kilohms	92 dB (A)

Outputs
REC OUT VIDEO 1, 2 (AUDIO) OUT:
Voltage 250 mV,
Impedance 10 kilohms
WOOFER OUT
Voltage: 2 V
Impedance: 1 kilohms
PHONES: Accepts low and high impedance headphones

BASS BOOST +7 dB at 70 Hz

Digital signal processor section

Surround
DELAY TIME
In PRO LOGIC mode:
15.0 ms - 30 ms, 5 ms step
In other sound field modes
5 ms - 30 ms, 5 ms step
REAR LEVEL
–15 dB - +10 dB, 1 dB step
CENTER LEVEL**

** Only for sound fields with a CENTER LEVEL parameter

– Continued on page 2 –

STR-GA7ES
FM STEREO/FM-AM RECEIVER

TA-VA7ES
INTEGRATED AV AMPLIFIER

SONY®

TONE	±8 dB at 100 Hz and 10 kHz

FM tuner section (STR-GA7ES)

Tuning range	87.5 - 108.0 MHz
Antenna terminals	75 ohms, unbalanced
Sensitivity	Mono: 18.3 dBf, 4.5 µV Stereo: 38.3 dBf, 45 µV
Usable sensitivity	11.2 dBf, 2 µV (IHF)
S/N	Mono: 76 dB Stereo: 70 dB
Harmonic distortion at 1 kHz	Mono: 0.3 % Stereo: 0.5 %
Separation	45 dB at 1 kHz
Frequency response	30 Hz - 15 kHz $^{+0.5}_{-2}$ dB
Selectivity	60 dB at 400 kHz

AM tuner section (STR-GA7ES)

Tuning range	With 10 kHz interval*: 530 - 1710 kHz With 9 kHz interval: 531 - 1710 kHz
Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5 % (50 mV/m, 400 kHz)
Selectivity	At 9 kHz: 35 dB At 10 kHz: 40 dB

* You can change the AM tuning interval between 9 kHz and 10 kHz. After tuning in any AM station, turn off the receiver. Hold down the PRESET + button and press the POWER button. All preset stations will be erased when you change the interval. To reset the interval, repeat the procedure.

Video section

Inputs	VIDEO 1, 2, TV: 1 Vp-p 75 ohms
Outputs	VIDEO 1, 2, MONITOR: 1 Vp-p 75 ohms

General

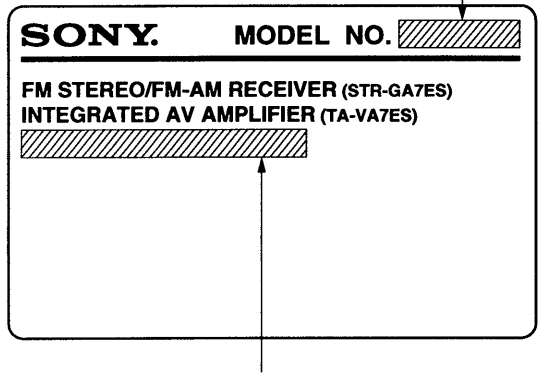
System	Tuner section (STR-GA7ES): PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complimentary SEPP
Power requirements	USA and Canadian model: 120 V AC, 60 Hz Australian model: 240 V AC, 50 Hz Chinese model: 220-230V AC, 50/60Hz
Power consumption	USA model: 280 W Canada model: 390 VA Other models: 310 W
AC outlets	Australian model: 1 switched, total 120 W Other models: 2 switched, total 120 W
Dimensions	430 x 160 x 425 mm (17 x 6 3/8 x 16 3/4 inches)
Mass (Approx.)	13.8 kg (30 lb 7 oz)
Supplied accessories	Remote commander (remote) (1) Size AA (R6) batteries (2) STR-GA7ES: FM wire antenna (1) AM loop antenna (1)

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION

– Specification Label Printed on Back Panel –

STR-GA7ES
TA-VA7ES



US, Canadian model : AC 120 V 60 Hz
Australian model : AC 240 V 50Hz
Chinese model : AC 220-230 V 50/60 Hz

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

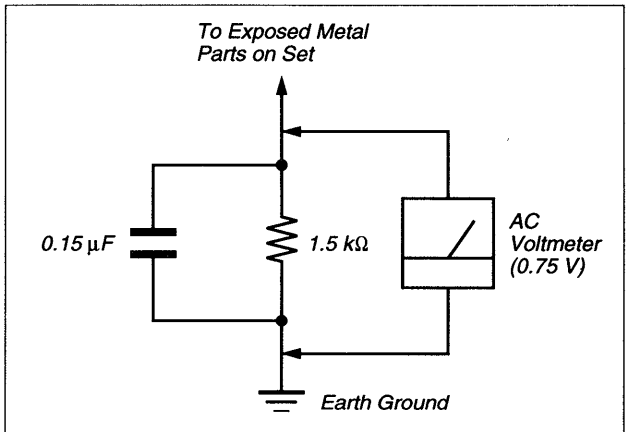
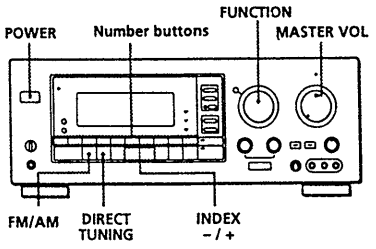


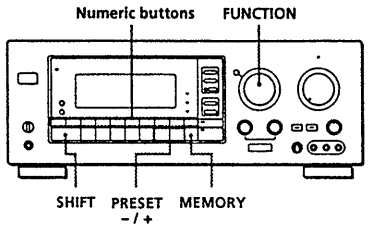
Fig. A. Using an AC voltmeter to check AC leakage.

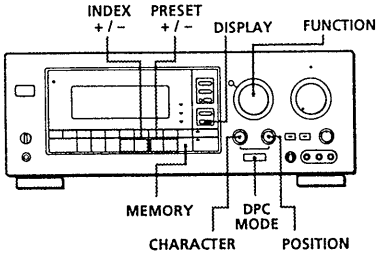
This section is extracted from instruction manual.

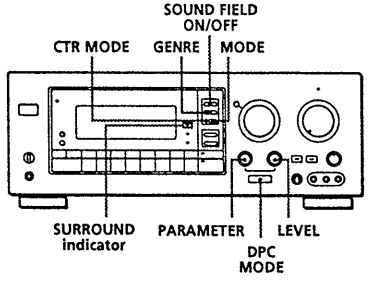
• STR-GA7ES

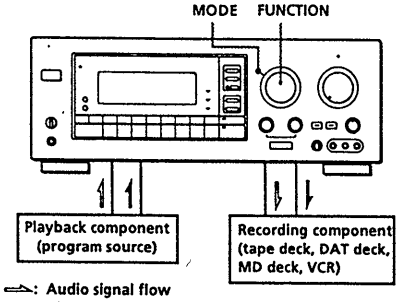
Front Panel Descriptions

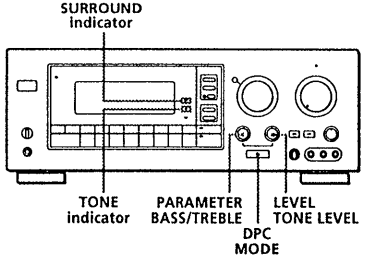




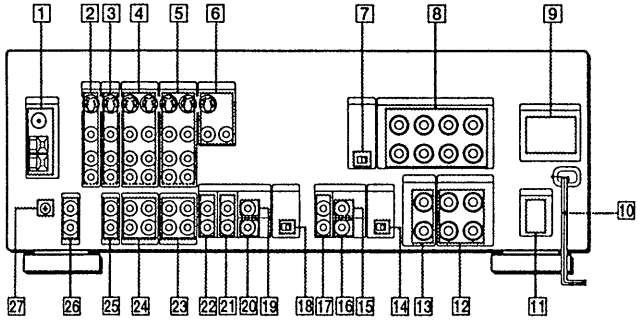






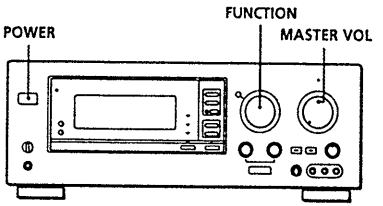


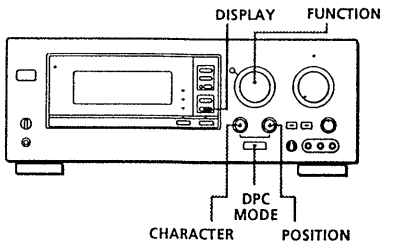
Rear Panel Descriptions

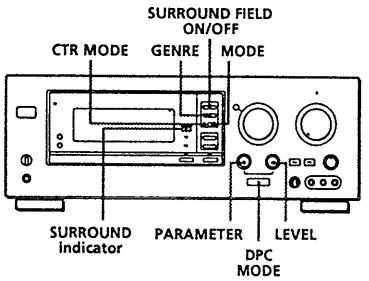


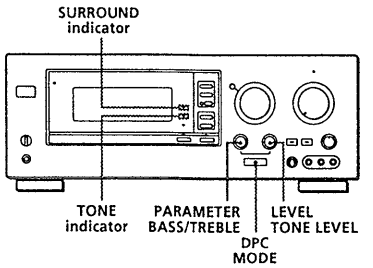
1 ANTENNA (AM/FM)
2 TV/DBS
3 LD
4 VIDEO 2
5 VIDEO 1
6 MONITOR
7 IMPEDANCE SELECTOR (see page 7)
8 FRONT SPEAKERS (A/B)
9 SWITCHED AC OUTLETs (Outlet shape and position varies according to destination)
10 AC power cord
11 VOLTAGE SELECTOR (certain models only)
12 REAR SPEAKERS
13 CENTER SPEAKER
14 POWER SWAP (see page 7)
15 SURROUND OUT (CENTER)
16 SURROUND OUT (WOOFER)
17 SURROUND OUT (REAR)
18 LOW FILTER (see page 7)
19 5.1 INPUT (CENTER)
20 5.1 INPUT (WOOFER)
21 5.1 INPUT (REAR)
22 5.1 INPUT (FRONT)
23 TAPE
24 DAT/MD
25 CD
26 PHONO
27 ⏚ ground terminal

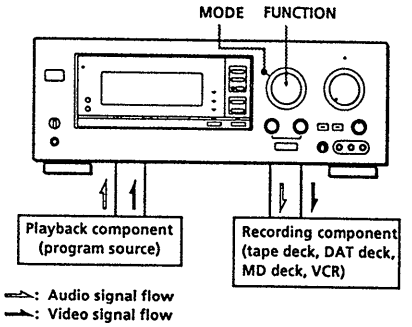
Front Panel Descriptions



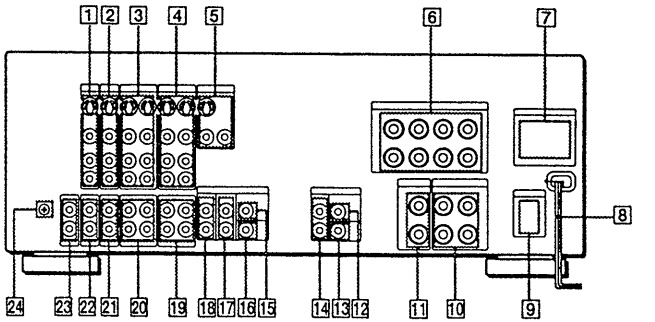








Rear Panel Descriptions



1 TV
2 LD
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6 FRONT SPEAKERS (A/B)
7 SWITCHED AC OUTLETs (Outlet shape and position varies according to destination)
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10 REAR SPEAKERS
11 CENTER SPEAKER
12 SURROUND OUT (CENTER)
13 SURROUND OUT (WOOFER)
14 SURROUND OUT (REAR)
15 5.1 INPUT (CENTER)
16 5.1 INPUT (WOOFER)
17 5.1 INPUT (REAR)
18 5.1 INPUT (FRONT)
19 TAPE
20 DAT/MD
21 CD
22 TUNER
23 PHONO
24 ⏚ ground terminal

SECTION 2
DIAGRAMS

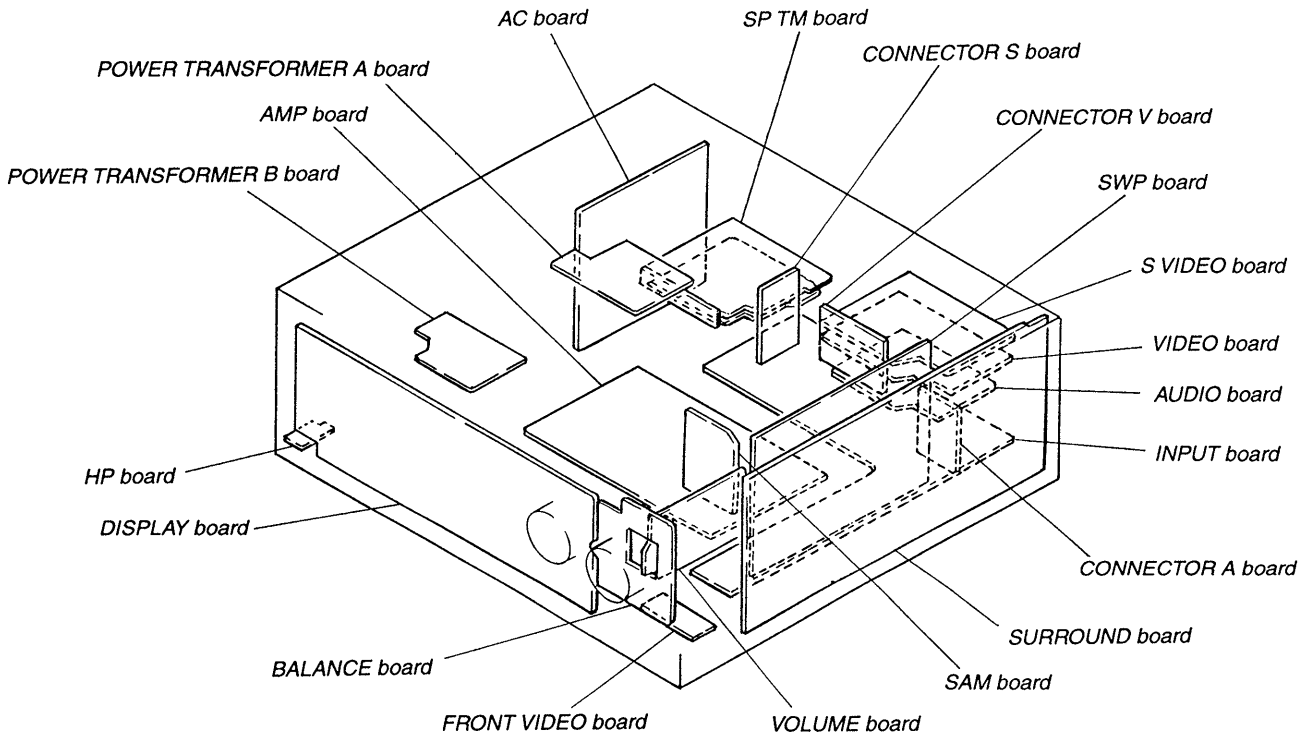
2-1. IC PIN FUNCTION DESCRIPTION

DISPLAY BOARD IC101 MB90673PF-G-164-BND (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Function
1	KIN6	I	Key Input
2	KIN7	I	
3	KOUT0	O	Key output
4	KOUT1	O	
5	KOUT2	O	
6	KOUT3	O	
7	KOUT4	O	
8	KOUT5	O	
9	V-INT	O	Not used (Open)
10	SW-SPOFF	I	SP OFF SW input
11	VSS	–	Ground
12	LED-VOL	O	Volume LED signal output
13	LED-STBY	I/O	Standby LED signal input/output
14	T-IFD	I	PLL data input
15	T-STEREO	I	Stereo signal input
16	T-A. STOP	I	Tuner auto stop signal input
17	T-MUTE	O	Tuner mute signal output
18	F-MUTE	O	Function mute signal output
19	A-MUTE	O	All mute signal output
20	RX	I	Data input from OSD microcomputer (IC809)
21	TX	O	Data output to OSD microcomputer (IC809)
22	BUSY	I	Busy signal input. Not used (Connected to Ground)
23	$\overline{\text{FL CLR}}$	O	FL clear output
24	FL DAT	O	FL data output
25	FL CLK	O	FL clock output
26	FL LAT	O	FL latch output
27	SIRCS	I	Sircs input
28	AVCC	–	Analog power supply (+5 V)
29	AVR+	–	Reference voltage (+5 V)
30	AVR-	–	Reference voltage (Ground)
31	AVSS	–	Analog power supply (Ground)
32	SW-POWER.T	I	Power SW (from S134)input
33	SW-POWER.M	I	Power SW (from S133) input
34	VSS	–	Ground
35	SW-SPA+B	I	SP SW A+B signal input
36	VOL+	O	Volume + control
37	VOL–	O	Volume – control
38	SW–LC, FIL	I	Low cut filter SW input
39	SW-4/8	I	4-8 SW input
40	SLAT	O	Serial latch output
41	MDO	I	Mode select input Fixed at "H" (Connected to +5 V)
42	MD1	I	
43	MD2	I	Mode select input (Connected to Ground)
44	HSTX	–	HSTX Fixed at "H" (Connected to +5 V)

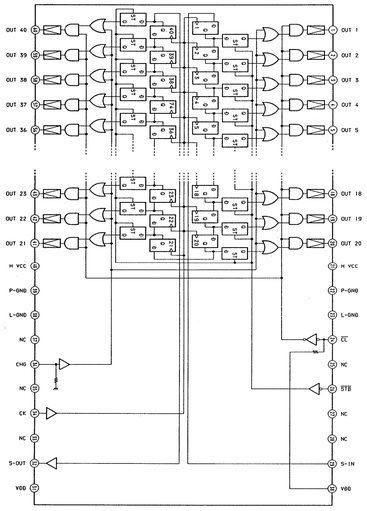
Pin No.	Pin Name	I/O	Function
45	STOP	I	STOP signal input
46	SLCK	O	Serial clock output
47	SDAT	O	Serial data output
48	LAT-SUR	O	Surround latch output
49	LAT-TONE	O	Tone Latch output
50	LAT-EXT	O	EXT latch output
51	INH	O	Video inhibit output
52	RY-POWER	O	Power relay output
53	SW-31	I	Connected to Ground
54	SW-SWAP	I	SWAP SW input
55	ENC-FNC.B	I	Function (B) encoder input
56	ENC-FNC.A	I	Function (A) encoder input
57	ENC-U/D.B	I	Up/down (B) encoder input
58	ENC-U/D.A	I	Up/down (A) encoder input
59	ENC-L/R.B	I	L/R (B) encoder input
60	ENC-L/R.A	I	L/R (A) encoder input
61	PROTECT	I	Protect signal input
62	RESET	I	Reset signal input
63	VSS	–	Ground
64	XO	O	System clock OSC(4.0 MHz)
65	XI	I	
66	VCC	–	Power supply (+5 V)
67	LED-MUTE	O	MUTE LED signal output
68	LED-5.1	O	5.1 LED signal output
69	LED-TAPE	O	TAPE LED signal output
70	LED-DIRECT	O	DIRECT PASS LED signal output
71	LED-BASS.B	O	BASS BOOST LED signal output
72	LED-INDEX	O	INDEX LED signal output
73	LED-EQ	O	EQ LED signal output
74	LED-SURR	O	SURROUND LED signal output
75	KINO	I	Key input
76	KIN1	I	
77	KIN2	I	
78	KIN3	I	
79	KIN4	I	
80	KIN5	I	

• **Circuit Boards Location**

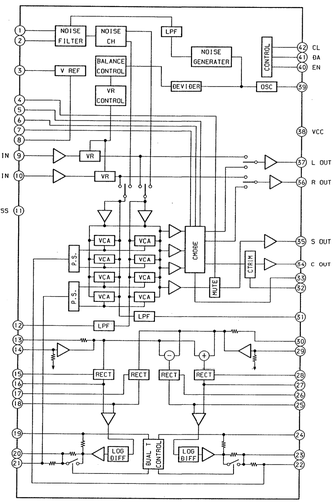


• IC Block Diagrams

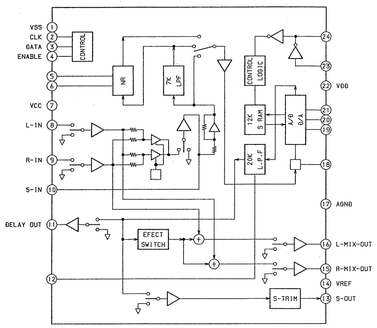
IC100, 105 TD62C950RF



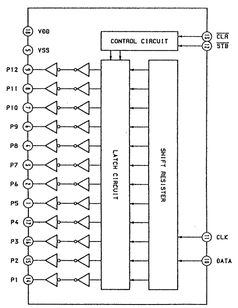
IC1301 LA2785



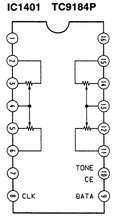
IC1302 LV1011



IC1403 NJU3713D



IC1401 TC9184P



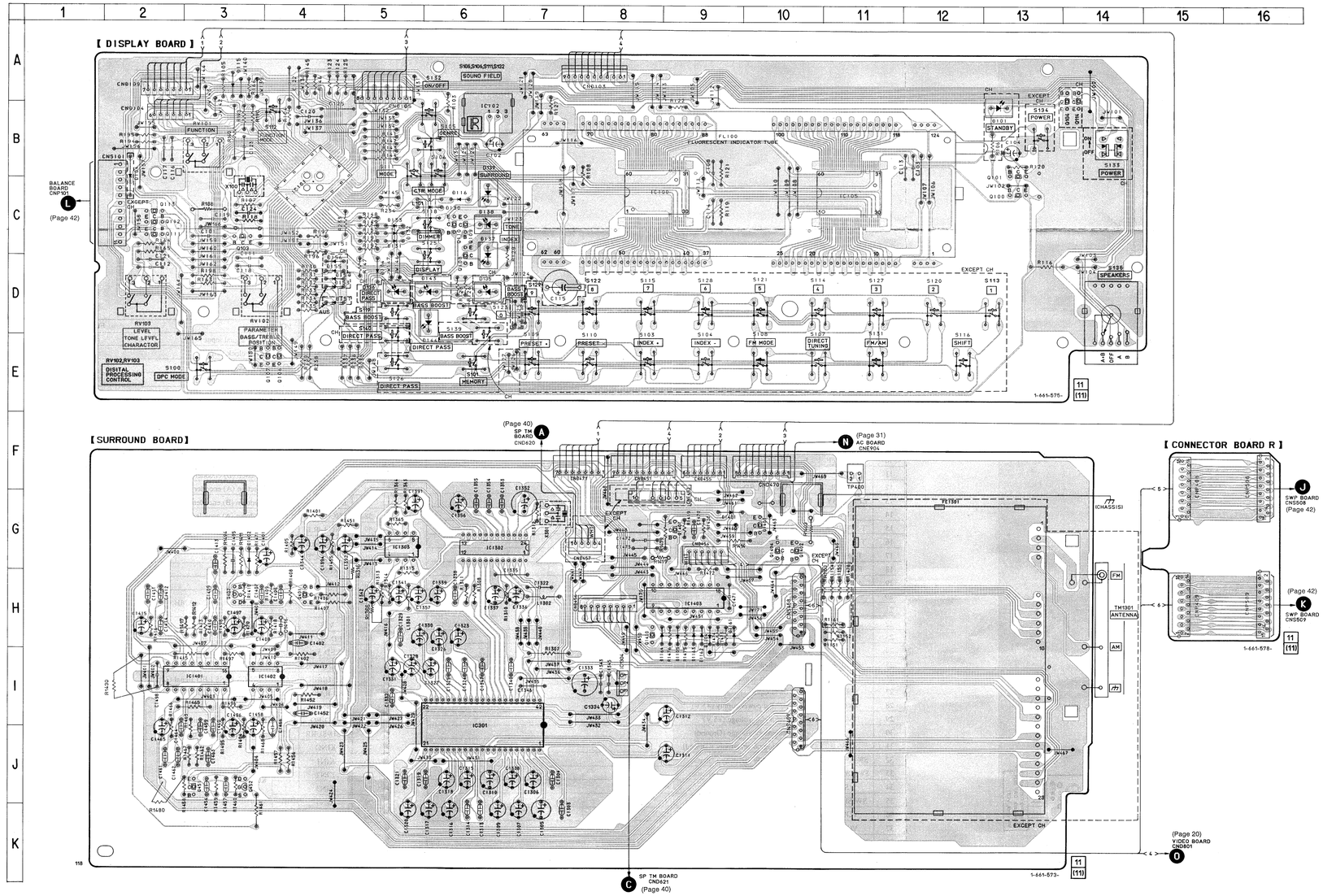
Note on Printed Wiring Boards:

- ○——○ : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- △ : internal component.
- ▨ : Pattern from the side which enables seeing.
- Abbreviation
  AUS : Australian
  CH : Chinese

• Semiconductor Location

Ref. No.	Location
D101	B-13
D104	C-2
D115	A-3
D116	C-6
D130	C-6
D131	C-5
D132	C-5
D133	C-5
D134	D-5
D135	D-6
D136	D-5
D137	D-6
D138	C-6
D139	C-6
D143	D-6
D144	E-6
D151	D-4
D153	D-4
D154	D-4
D155	D-4
D156	D-4
D1104	H-9
D1105	H-9
D1161	H-9
D1162	H-9
D1163	H-9
D1164	H-8
D1401	G-9
D1402	G-3
IC100	C-8
IC101	C-4
IC102	B-6
IC105	C-11
IC1301	J-6
IC1302	G-6
IC1303	G-5
IC1304	I-8
IC1401	I-3
IC1402	I-3
IC1403	H-9
Q100	C-13
Q101	B-13
Q103	C-3
Q104	A-14
Q106	E-4
Q107	E-4
Q108	D-6
Q109	C-6
Q110	C-6
Q111	C-2
Q112	C-2
Q113	C-2
Q114	A-14
Q401	H-4
Q402	H-3
Q451	J-3
Q452	J-3
Q1401	G-9
Q1402	G-10
Q1403	G-10
Q1404	G-10
Q1410	H-8

2-2. PRINTED WIRING BOARDS – DISPLAY/SURROUND Section – • See page 8 for Circuit Boards Location.

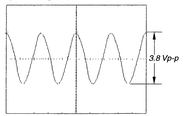


Note on Schematic Diagram:

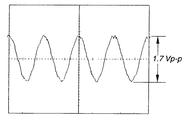
- All capacitors are in µF unless otherwise noted. pF: µµF
  50 WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- B + : B + Line.
- B − : B − Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
- Abbreviation
  AUS : Australian
  CH : Chinese

• Waveforms

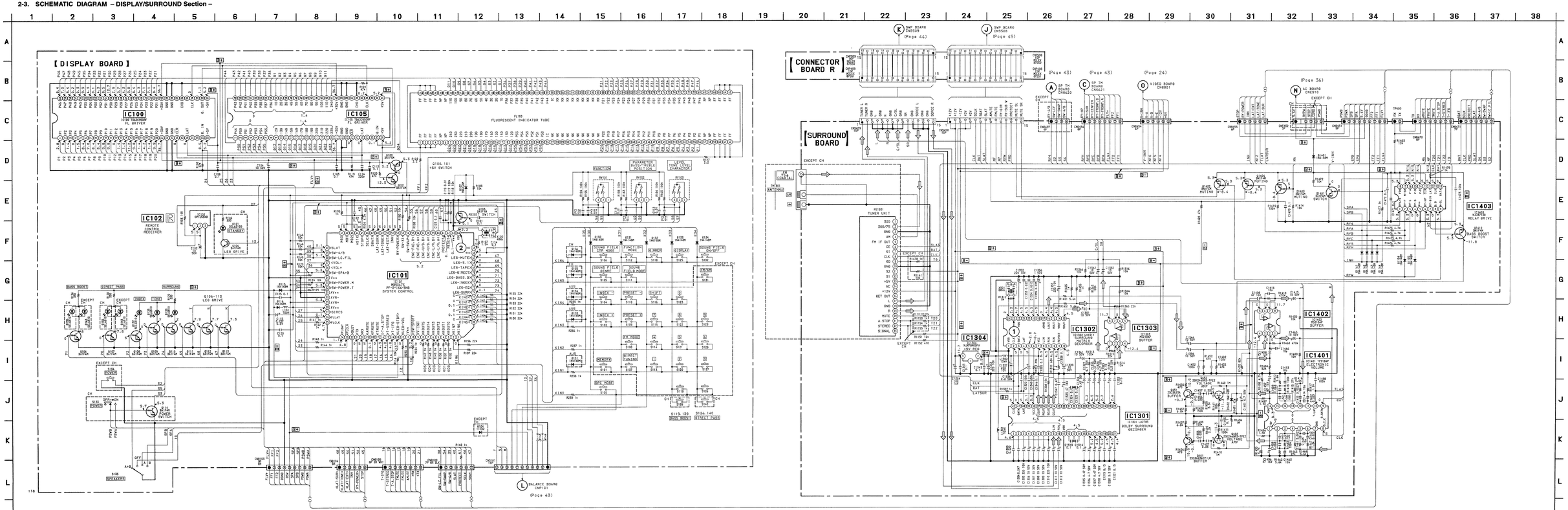
❶ IC1302 ㉘ 8 MHz



❷ IC101 ㊱ 4 MHz



2-3. SCHEMATIC DIAGRAM – DISPLAY/SURROUND Section –



2-4. PRINTED WIRING BOARDS – VIDEO Section –

• See page 8 for Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location
IC204	C-13
IC803	E-4
IC804	D-4
IC811	J-4
Q804	E-3
Q805	F-3
Q806	B-3
Q807	B-3
Q808	C-3
Q809	C-4
Q810	B-3
Q811	B-3
Q812	C-4
Q813	B-4
Q814	H-4
Q815	H-4
Q816	I-4
Q817	G-4
Q818	H-4
Q819	I-4
Q826	G-4

Note on Printed Wiring Boards:

- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ▨ : Pattern from the side which enables seeing.
- Abbreviation
  AUS : Australian
  CH : Chines

【S VIDEO BOARD】

【VIDEO BOARD】

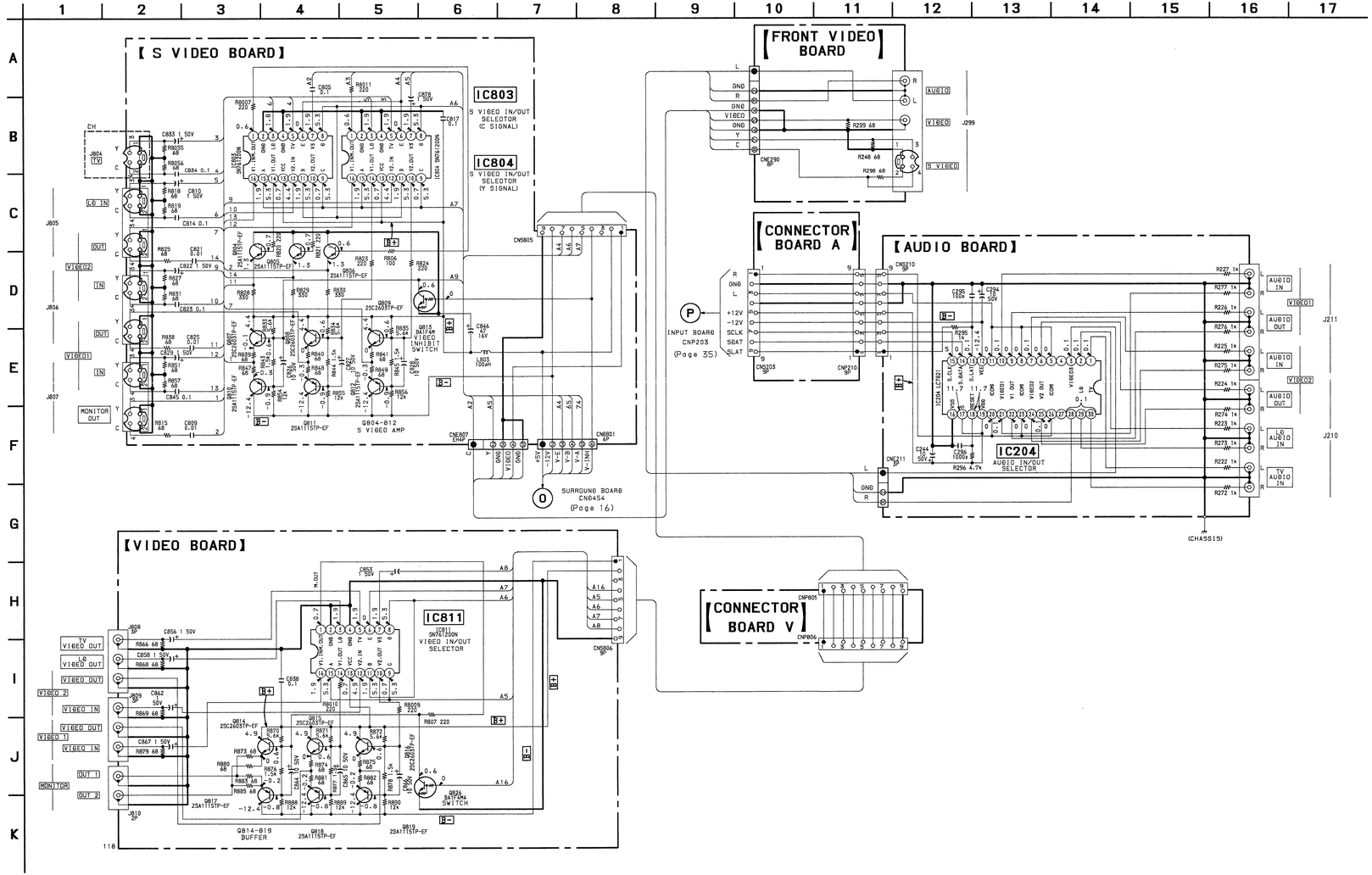
【CONNECTOR BOARD V】

【FRONT VIDEO BOARD】

【AUDIO BOARD】

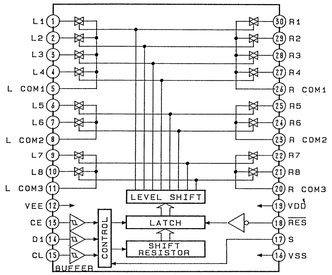
【CONNECTOR BOARD A】

2-5. SCHEMATIC DIAGRAM – VIDEO Section –

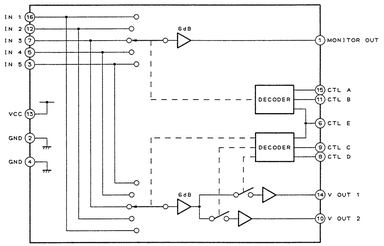


• IC Block Diagrams

IC204 LC7821



IC803, 804, 811 SN761200N



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- [ ] : panel designation.
- B+ : B + Line.
- B– : B – Line.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
- Abbreviation
  AUS : Australian
  CH : Chinese

2-6. PRINTED WIRING BOARDS – MAIN Section –

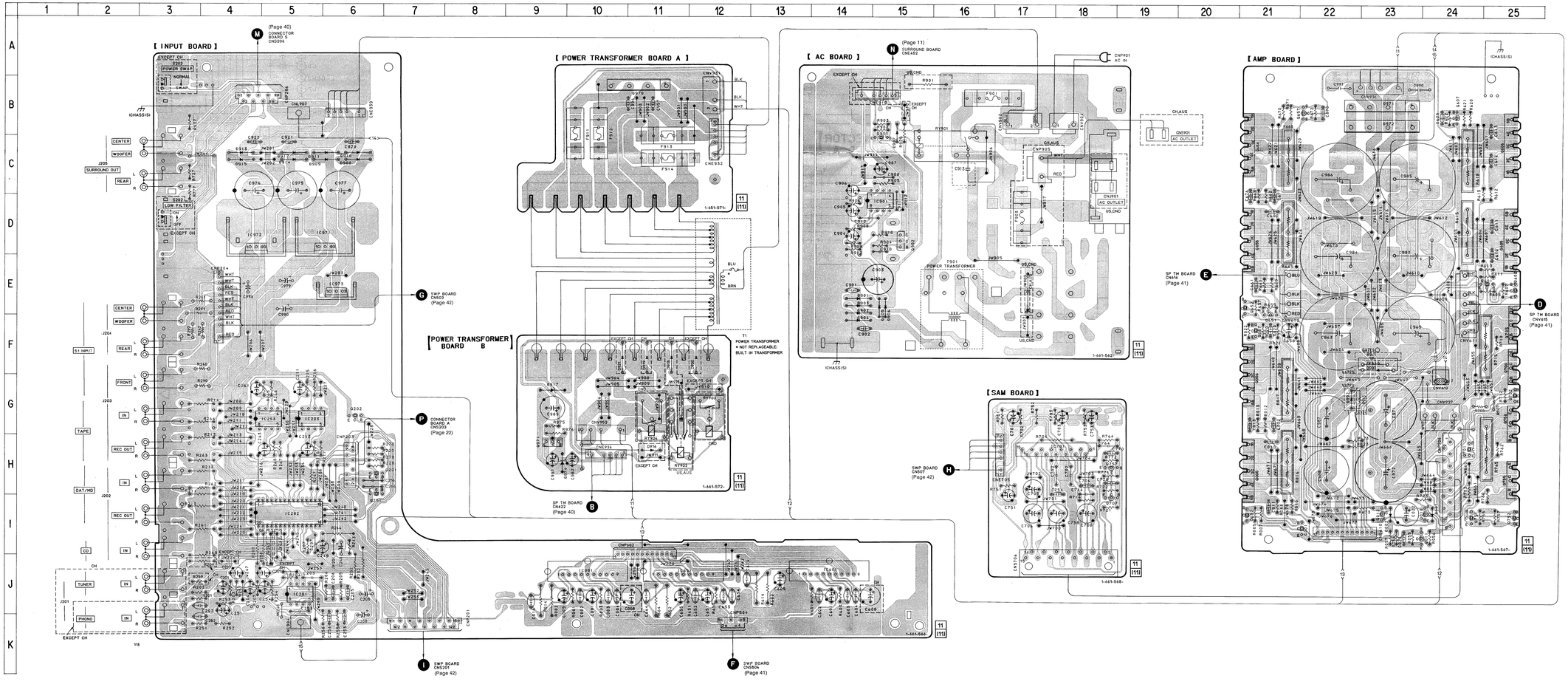
• See page 8 for Circuit Boards Location.

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D001	I-24	IC971	D-6
D002	I-23	IC972	D-4
D901	E-14	IC973	E-6
D902	E-14		
D903	E-14	Q001	I-22
D904	F-14	Q002	I-21
D905	E-15	Q005	H-21
D906	E-15	Q006	F-21
D907	C-15	Q007	F-21
D908	C-6	Q010	I-24
D909	C-6	Q011	I-24
D910	C-6	Q012	I-23
D911	C-6	Q201	H-6
D912	C-5	Q202	G-6
D913	C-4	Q251	I-6
D914	C-5	Q601	E-25
D915	C-4	Q602	E-25
D916	H-11	Q605	D-25
D917	G-9	Q606	C-25
D918	F-11	Q607	B-24
D919	F-11	Q651	E-21
D920	F-12	Q652	E-21
D921	F-10	Q655	D-21
D971	B-23	Q656	C-21
D972	B-23	Q657	B-22
D974	H-9	Q701	H-24
D991	F-23	Q702	G-25
D992	G-22	Q705	F-25
D970	B-11	Q706	F-25
		Q707	I-18
IC001	J-10	Q751	I-24
IC201	J-5	Q752	I-25
IC202	I-5	Q755	H-25
IC203	G-5	Q756	G-25
IC253	G-5	Q757	H-18
IC601	J-14	Q901	C-15
IC651	J-11	Q902	D-15
IC701	H-18	Q971	H-9
IC901	D-15		

Note on Printed Wiring Boards:

- ✦ ——— : parts extracted from the component side.
- ✦ ——— : parts extracted from the conductor side.
- ✦ ▒▒▒▒ : Pattern from the side which enables seeing.
- ✦ Abbreviation
  AUS : Australian
  CH : Chinese
  CND: Canadian



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF
  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- : nonflammable resistor.
- : panel designation.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B + Line.
- B− : B − Line.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : FM
- Abbreviation
  AUS : Australian
  CH : Chinese
  CND: Canadian

2-7. SCHEMATIC DIAGRAM – MAIN Section –

【AMP BOARD】

【INPUT BOARD】

【AC BOARD】

【POWER TRANSFORMER BOARD A】

【POWER TRANSFORMER BOARD B】

SAM BOARD

IC201

IC253

IC202 LC7822 AUDIO IN/OUT SELECTOR

IC203

IC601

IC651

IC001

IC901 NJM2103D

IC701 μPC2581V

IC971 +12V REG

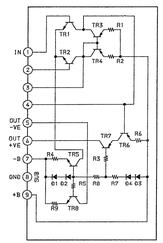
IC972 -12V REG

IC973 +5V REG

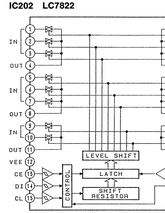
POWER TRANSFORMER
⚠ T1
*NOT REPLACEABLE
*BUILT IN TRANSFORMER

• IC Block Diagrams

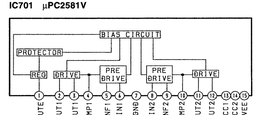
IC001, 601, 651 STK350-230



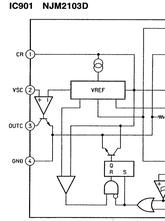
IC202 LC7822



IC701 μPC2581V

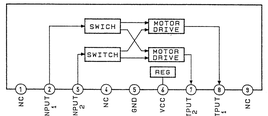


IC901 NJM2103D

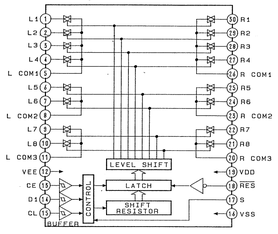


• IC Block Diagrams

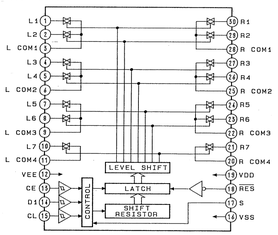
IC104 BA6208



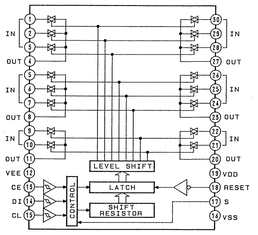
IC501 LC7821



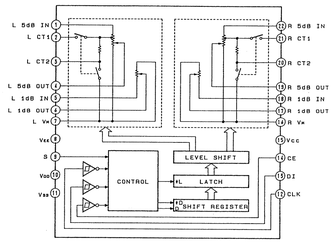
IC502 LC7823



IC509 LC7822



IC506 LC7535

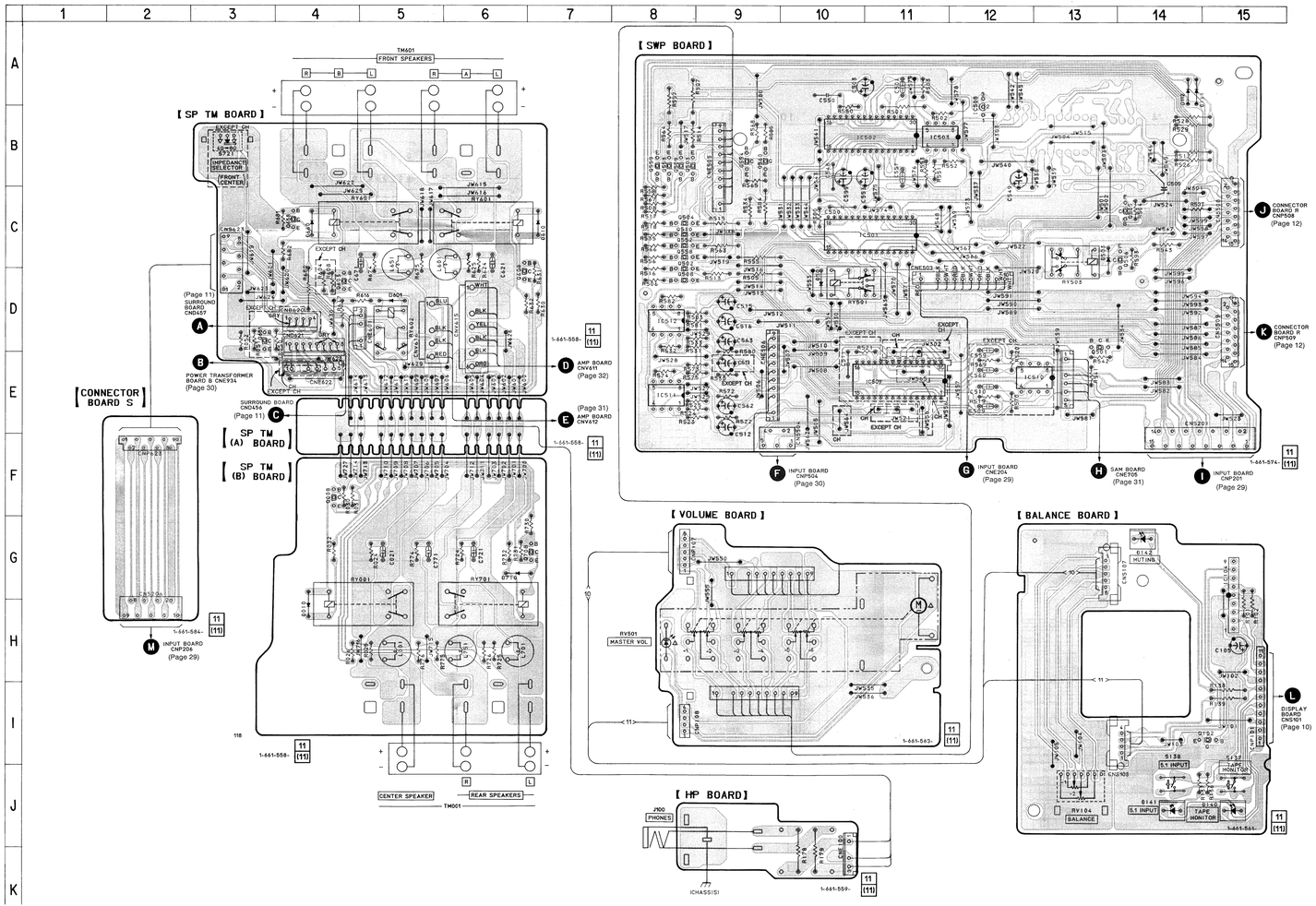


• Semiconductor Location

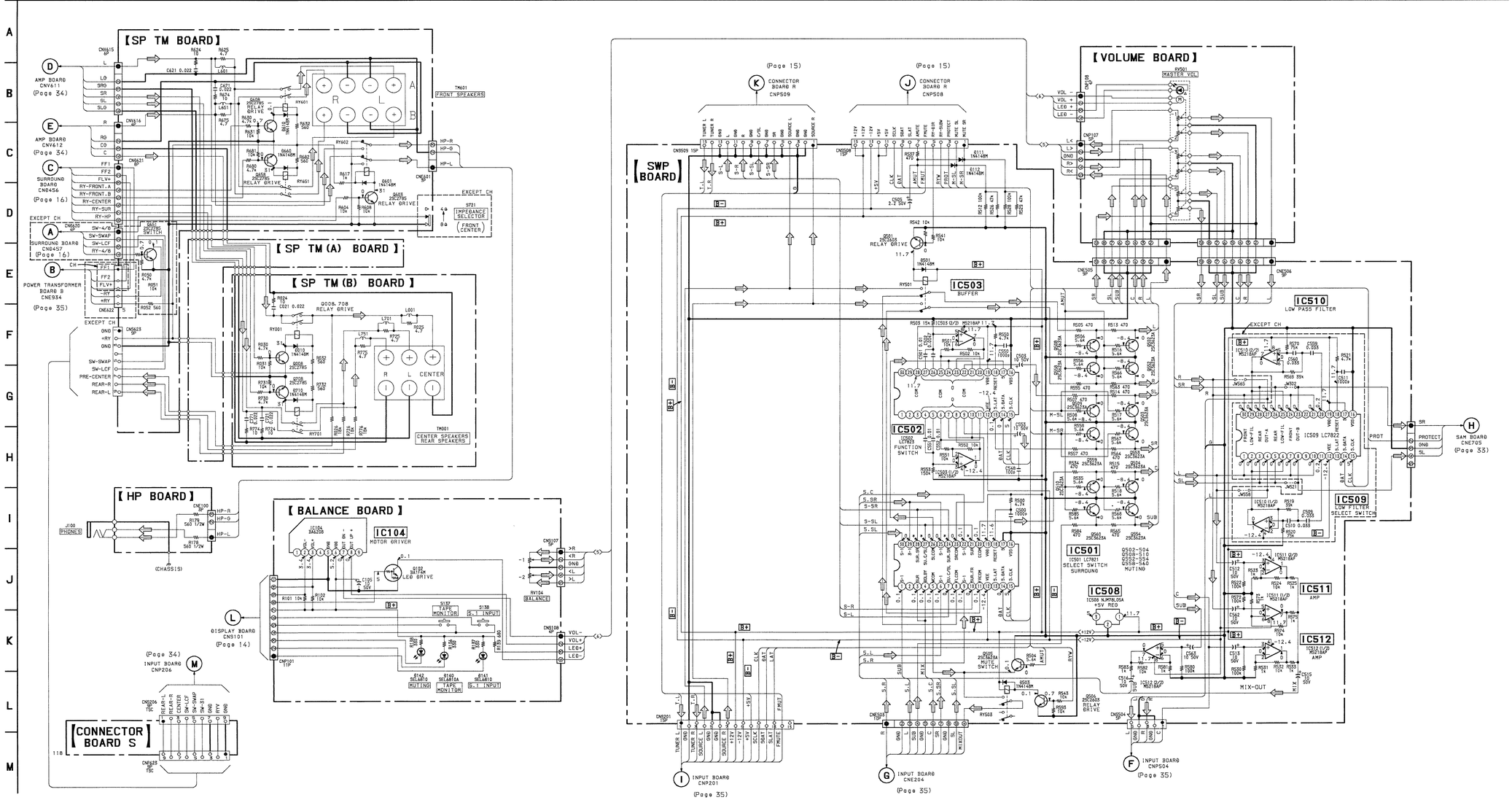
Ref. No.	Location
D010	H-4
D111	A-14
D112	A-14
D140	J-15
D141	J-14
D142	J-14
D501	D-10
D503	C-13
D601	D-5
D610	C-7
D660	C-4
D710	G-6
IC104	G-15
IC501	C-11
IC502	B-11
IC503	B-11
IC508	B-12
IC509	E-11
IC510	E-13
IC511	E-8
IC512	D-8
Q008	F-4
Q102	I-15
Q501	D-13
Q502	D-8
Q503	B-8
Q504	C-8
Q505	C-14
Q506	C-14
Q508	D-8
Q509	B-8
Q510	C-8
Q552	C-8
Q553	B-8
Q554	B-9
Q558	C-8
Q559	B-8
Q560	B-9
Q603	D-4
Q608	D-6
Q651	D-3
Q658	C-4
Q708	G-7

Note on Printed Wiring Board:
- ◆ ○——— : parts extracted from the component side.
- ◆ ——— : parts extracted from the conductor side.
- ◆ △ : internal component.
- ◆ ▒▒▒ : Pattern from the side which enables seeing.
- ◆ Abbreviation
  CH : Chinese

2-8. PRINTED WIRING BOARDS – SUB Section – • See page 8 for Circuit Boards Location.



2-9. SCHEMATIC DIAGRAM – SUB Section –



Note on Schematic Diagram:

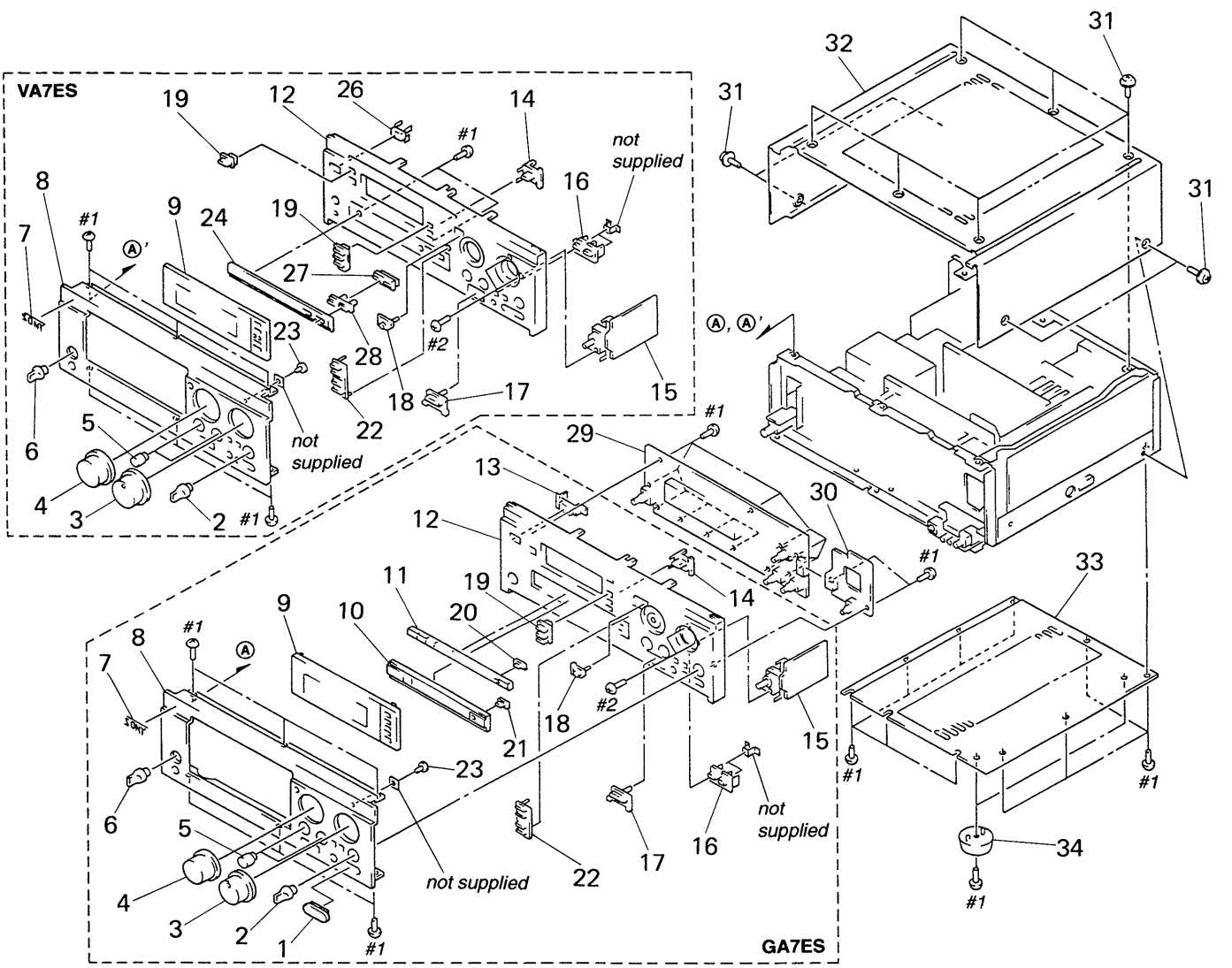
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- △ : internal component.
- □ : panel designation.
- B+ : B + Line.
- B− : B − Line.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ✻ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
- Abbreviation
  CH : Chinese

SECTION 3
EXPLODED VIEWS

NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  CND : Canadian
  CH : Chinese
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

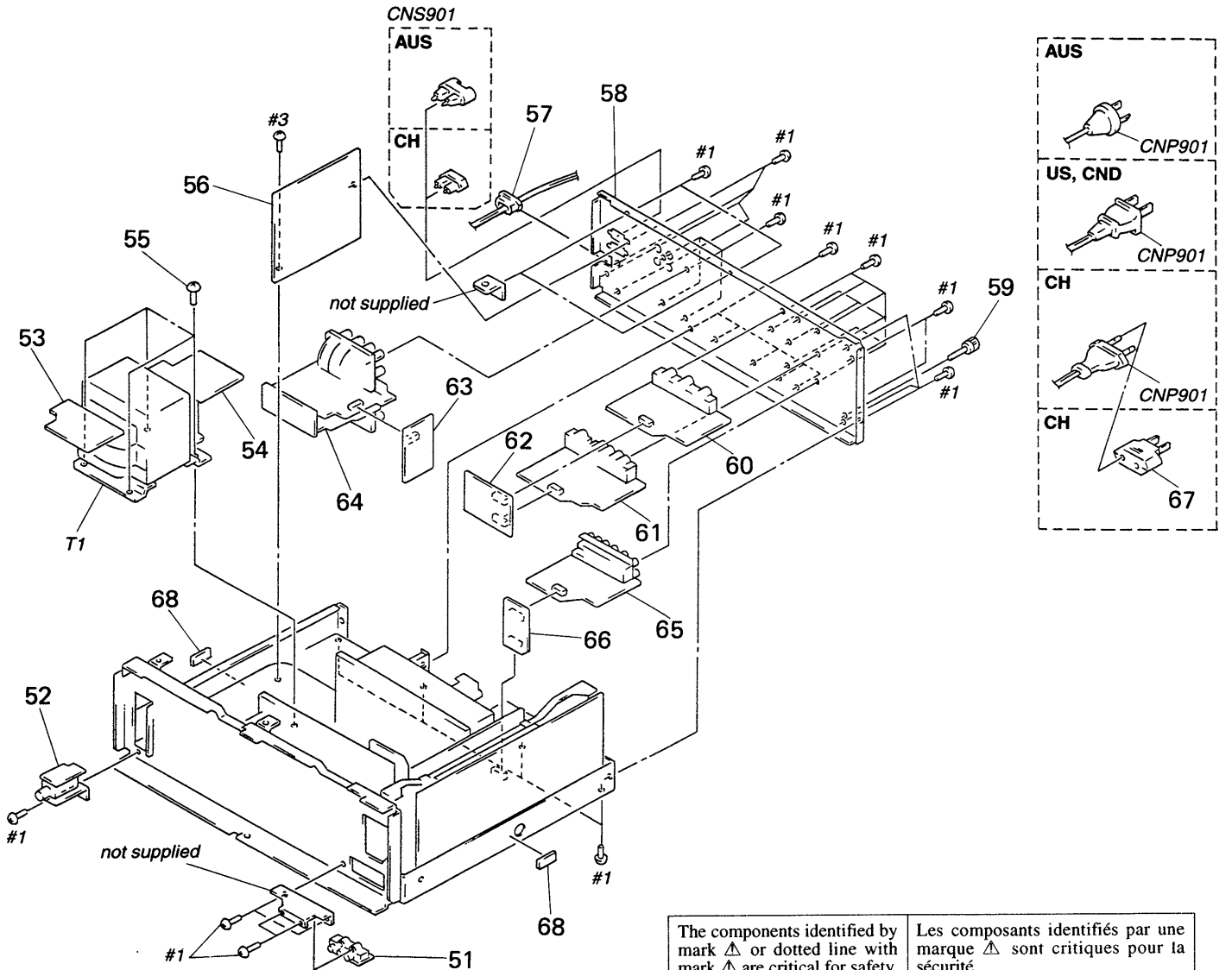
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le neméro spécifié.

(1) CASE, FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	4-982-083-01	COVER (V3) (GA7ES)	
2	4-982-074-01	KNOB (R19-B) (BLACK) (GA7ES)	
2	4-982-074-11	KNOB (R19-B) (GOLD) (VA7ES)	
3	X-4947-139-1	KNOB (R48F) ASSY (BLACK) (GA7ES)	
3	X-4947-139-2	KNOB (R48F) ASSY (GOLD) (VA7ES)	
4	X-4947-140-1	KNOB (R48V) ASSY (BLACK) (GA7ES)	
4	X-4947-140-2	KNOB (R48V) ASSY (GOLD) (VA7ES)	
5	4-982-073-01	KNOB (R19-A) (BLACK) (GA7ES)	
5	4-982-073-11	KNOB (R19-A) (GOLD) (VA7ES)	
6	4-957-383-01	KNOB (F14) (BLACK) (GA7ES)	
6	4-957-383-11	KNOB (F14) (GOLD) (TA7ES)	
7	4-942-568-01	EMBLEM (NO. 5), SONY (GA7ES)	
7	4-942-568-21	EMBLEM (NO. 5), SONY (VA7ES)	
8	4-982-093-21	PANEL (E4), FRONT (BLACK) (GA7ES)	
8	4-982-093-61	PANEL (E4), FRONT (GOLD) (VA7ES)	
9	4-982-084-11	PLATE (E4), INDICATION (GA7ES)	
9	4-982-084-31	PLATE (E4), INDICATION (VA7ES)	
10	4-982-076-01	BUTTON (B) (GA7ES)	
11	4-982-075-01	BUTTON (A) (GA7ES)	
12	4-982-270-01	BASE (E4), PANEL (BLACK) (GA7ES)	
12	4-982-270-21	BASE (E4), PANEL (GOLD) (VA7ES)	
13	4-979-936-01	BUTTON (P-T) (BLACK) (GA7ES)	
14	4-982-080-01	BUTTON (F)	
* 15	1-661-563-11	VOLUME BOARD	
16	4-982-077-01	BUTTON (C) (BLACK) (GA7ES)	
16	4-982-077-11	BUTTON (C) (GOLD) (VA7ES)	
17	4-982-078-01	BUTTON (D) (BLACK) (GA7ES)	
17	4-982-078-11	BUTTON (D) (GOLD) (VA7ES)	
18	4-982-081-01	BUTTON (G) (BLACK) (GA7ES)	
18	4-982-081-11	BUTTON (G) (GOLD) (VA7ES)	
19	4-982-271-01	INDICATOR (M)	
20	4-982-272-01	INDICATOR (A) (GA7ES)	
21	4-982-273-01	INDICATOR (B) (GA7ES)	
22	4-982-079-01	BUTTON (E)	
23	4-938-518-01	INDICATOR (C)	
24	X-4947-276-1	ESCUTCHEON (G) ASSY (GOLD) (VA7ES)	
26	4-980-109-11	BUTTON (P-M) (GOLD) (VA7ES)	
27	4-982-274-01	INDICATOR (C) (VA7ES)	
28	4-982-085-22	BUTTON (M) (BASS BOOST) (GOLD) (VA7ES)	
28	4-982-085-32	BUTTON (M) (DIRECT PASS) (GOLD) (VA7ES)	
* 29	A-4390-391-A	DISPLAY BOARD, COMPLETE (US, CND)	
* 29	A-4390-393-A	DISPLAY BOARD, COMPLETE (AUS)	
* 29	A-4390-404-A	DISPLAY BOARD, COMPLETE (CH)	
* 30	1-661-561-11	BALANCE BOARD	
31	3-704-366-01	SCREW (CASE) (M3X8)	
* 32	4-982-090-01	CASE (414538E) (BLACK) (GA7ES)	
* 32	4-982-090-21	CASE (414538E) (GOLD) (VA7ES)	
* 33	4-966-115-21	BOARD (385), BOTTOM	
34	X-4947-325-1	FOOT (50175) ASSY	

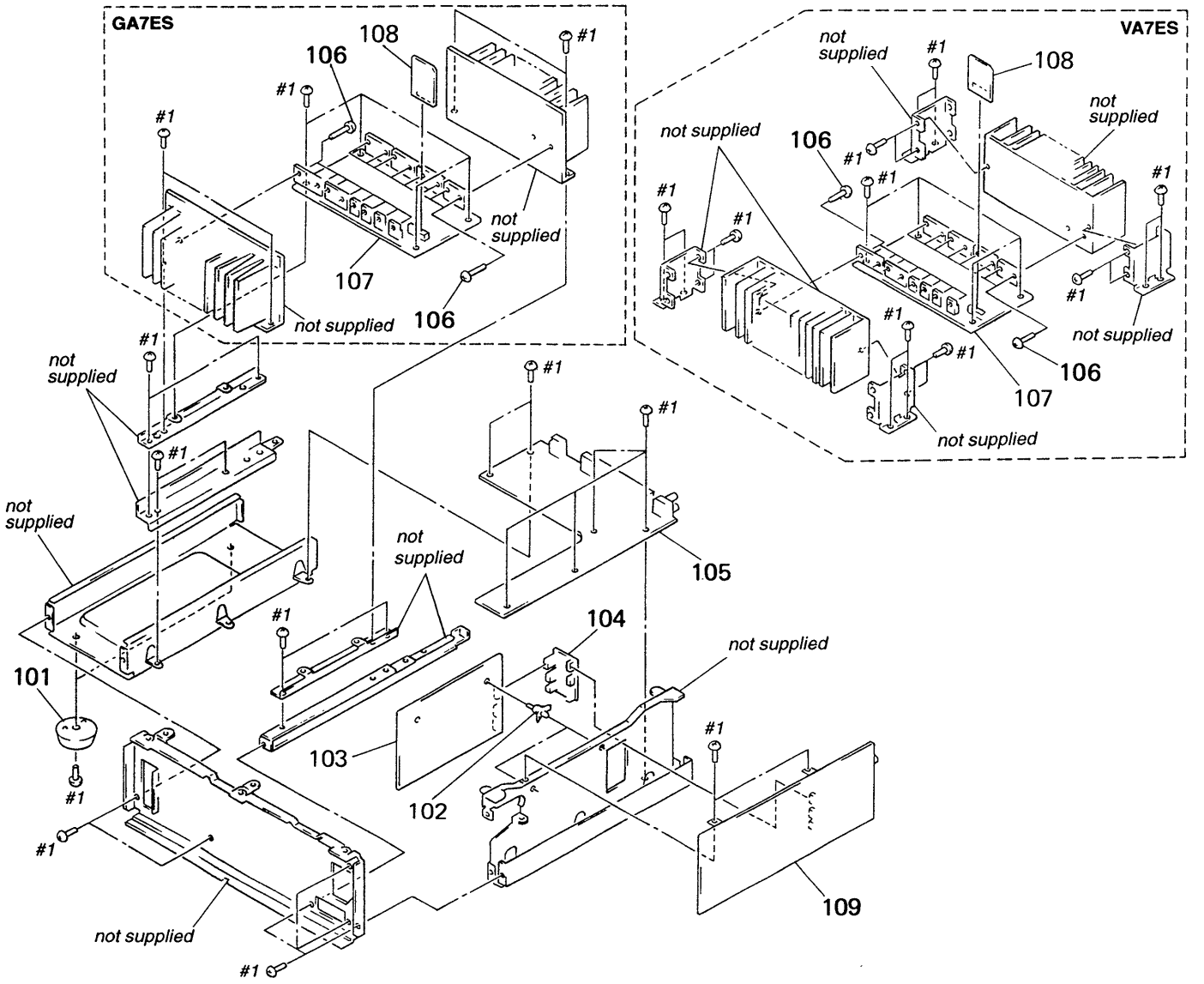
(2) CHASSIS SECTION-1



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le neméro spécifié.

Ref. No.	Part No.	Description	Remark
* 51	1-661-560-11	FRONT VIDEO BOARD	
* 52	1-661-559-11	HP BOARD	
* 53	1-661-572-11	POWER TRANSFORMER B BOARD	
* 54	1-661-571-11	POWER TRANSFORMER A BOARD	
55	4-381-962-11	SCREW +BVTT 4X8 (S)	
* 56	A-4390-361-A	AC BOARD, COMPLETE (US, CND)	
* 56	A-4390-386-A	AC BOARD, COMPLETE (CH)	
* 56	A-4390-395-A	AC BOARD, COMPLETE (AUS)	
* 57	3-703-244-00	BUSHING (2104), CORD	
* 58	4-982-091-61	PANEL, BACK (US)	
* 58	4-982-091-71	PANEL, BACK (CND)	
* 58	4-982-091-81	PANEL, BACK (AUS)	
* 58	4-982-092-31	PANEL, BACK (CH)	
59	4-947-010-01	SCREW, FEEDER FIXED	
* 60	A-4390-398-A	S VIDEO BOARD, COMPLETE	
* 61	A-4390-923-A	VIDEO BOARD, COMPLETE	
* 62	1-661-582-11	CONNECTOR V BOARD	
* 63	1-661-584-11	CONNECTOR S BOARD	
* 64	A-4390-924-A	SP TM BOARD, COMPLETE (EXCEPT CH)	
* 64	A-4390-925-A	SP TM BOARD, COMPLETE (CH)	
* 65	A-4390-364-A	AUDIO BOARD, COMPLETE	
* 66	1-661-583-11	CONNECTOR A BOARD	
⚠67	1-569-008-21	ADAPTOR, CONVERSION 2P (CH)	
68	4-985-642-01	CUSHION	
⚠CNP901	1-690-608-11	CORD, POWER (AUS)	
⚠CNP901	1-769-743-11	CORD, POWER (US, CND)	
⚠CNP901	1-776-095-11	CORD, POWER (CH)	
⚠CNS901	1-251-078-11	OUTLET, AC. (AUS)	
⚠CNS901	1-526-794-11	OUTLET, AC (CH)	
⚠T1	1-429-589-11	TRANSFORMER, POWER (US)	
⚠T1	1-429-590-11	TRANSFORMER, POWER (AUS)	
⚠T1	1-429-594-11	TRANSFORMER, POWER (CH)	
⚠T1	1-429-596-11	TRANSFORMER, POWER (CND)	

(3) CHASSIS SECTION-2



Ref. No.	Part No.	Description	Remark
101	X-4947-325-1	FOOT (50175) ASSY	
* 102	3-703-353-01	SUPPORT, PC BOARD	
* 103	A-4390-868-A	SWP BOARD, COMPLETE (CH)	
* 103	A-4390-869-A	SWP BOARD, COMPLETE (EXCEPT CH)	
* 104	1-661-578-11	CONNECTOR R BOARD	
* 105	A-4390-389-A	INPUT BOARD, COMPLETE (EXCEPT CH)	
* 105	A-4390-408-A	INPUT BOARD, COMPLETE (CH)	

Ref. No.	Part No.	Description	Remark
106	3-905-609-01	SCREW (TRANSISTOR)	
* 107	A-4390-390-A	AMP BOARD, COMPLETE (EXCEPT CH)	
* 107	A-4390-403-A	AMP BOARD, COMPLETE (CH)	
* 108	A-4390-351-A	SAM BOARD, COMPLETE	
* 109	A-4390-392-A	SURROUND BOARD, COMPLETE (US, CND)	
* 109	A-4390-405-A	SURROUND BOARD, COMPLETE (CH)	
* 109	A-4390-492-A	SURROUND BOARD, COMPLETE (AUS)	

SECTION 4
ELECTRICAL PARTS LIST

AC

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Abbreviation
  AUS:Australian CH:Chinese CND:Canadian
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA ..: μA.. uPA..: μPA..
  uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
*	A-4390-361-A	AC BOARD, COMPLETE (US, CND)			
*	A-4390-395-A	AC BOARD, COMPLETE (AUS)			
*	A-4390-386-A	AC BOARD, COMPLETE (CH)			
		**********			
	1-533-399-31	HOLDER, FUSE			
		< CAPACITOR >			
C901	1-164-097-11	CERAMIC	0.022uF		50V
C902	1-164-097-11	CERAMIC	0.022uF		50V
C903	1-126-942-61	ELECT	1000uF	20%	16V
C904	1-124-903-11	ELECT	1uF	20%	50V
C905	1-124-902-00	ELECT	0.47uF	20%	50V
C906	1-124-464-11	ELECT	0.22uF	20%	50V
C907	1-124-907-11	ELECT	10uF	20%	50V
C908	1-164-159-11	CERAMIC	0.1uF		50V
C910	1-164-159-11	CERAMIC	0.1uF		50V
C911	1-164-159-11	CERAMIC	0.1uF		50V
C912	1-164-159-11	CERAMIC	0.1uF		50V
C913	1-113-939-51	CERAMIC	0.01uF	99%	125V (VA7ES)
		< CONNECTOR >			
CNE910	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P			(EXCEPT CH)
CNE910	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P (CH)			
		< OUTLET >			
⚠CNJ901	1-540-060-11	OUTLET, AC (POLAR) (AC OUTLET) (US, CND)			
		< CONNECTOR >			
CNP905	1-774-108-11	PIN, CONNECTOR (PC BOARD) (CH, AUS)			
		< OUTLET >			
⚠CNS901	1-251-078-11	OUTLET, AC (AC OUTLET) (AUS)			
⚠CNS901	1-526-794-11	OUTLET, AC (AC OUTLET) (CH)			
		< CONNECTOR >			
CNV901	1-564-321-00	PIN, CONNECTOR 2P			
* CNV902	1-565-792-11	PIN, CONNECTOR 2P			
		< DIODE >			
D901	8-719-024-99	DIODE 11ES2-NTA2B			
D902	8-719-024-99	DIODE 11ES2-NTA2B			
D903	8-719-024-99	DIODE 11ES2-NTA2B			
D904	8-719-024-99	DIODE 11ES2-NTA2B			
D905	8-719-987-63	DIODE 1N4148M			
D906	8-719-987-63	DIODE 1N4148M			
D907	8-719-987-63	DIODE 1N4148M			
		< FUSE >			
⚠F901	1-532-748-11	FUSE, GLASS TUBE (6.3A 125V) (US, CND)			
⚠F901	1-532-464-51	FUSE, TIME LAG (2.5A 250V) (CH, AUS)			
⚠F903	1-532-464-51	FUSE, TIME LAG (2.5A 250V) (CH, AUS)			
		< IC >			
IC901	8-759-333-83	IC NJM2103D			
		< TRANSISTOR >			
Q901	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q902	8-729-209-15	TRANSISTOR 2SD2012			
		< RESISTOR >			
R900	1-249-393-11	CARBON	10	5%	1/4W
⚠R901	1-202-725-00	SOLID	3.3M	10%	1/2W F (US, CND)
R902	1-249-429-11	CARBON	10K	5%	1/4W
R903	1-249-425-11	CARBON	4.7K	5%	1/4W
R904	1-249-417-11	CARBON	1K	5%	1/4W

AC AMP

Ref. No.	Part No.	Description			Remark
R905	1-249-428-11	CARBON	8.2K	5%	1/4W
R906	1-249-421-11	CARBON	2.2K	5%	1/4W
R908	1-249-433-11	CARBON	22K	5%	1/4W
R909	1-249-439-11	CARBON	68K	5%	1/4W
R910	1-249-437-11	CARBON	47K	5%	1/4W
R912	1-249-430-11	CARBON	12K	5%	1/4W
		< RELAY >			
⚠RY901	1-515-999-11	RELAY, POWER			
		< TRANSFORMER >			
⚠T901	1-450-361-11	TRANSFORMER, POWER (US, CND)			
⚠T901	1-450-358-11	TRANSFORMER, POWER (CH, AUS)			
**********					
*	A-4390-390-A	AMP BOARD, COMPLETE (EXCEPT CH)			
*	A-4390-403-A	AMP BOARD, COMPLETE (CH)			
		**********			
		< CAPACITOR >			
C010	1-107-597-11	CERAMIC	22PF	10%	500V
C011	1-107-597-11	CERAMIC	22PF	10%	500V
C012	1-107-597-11	CERAMIC	22PF	10%	500V
C013	1-107-597-11	CERAMIC	22PF	10%	500V
C020	1-136-165-00	FILM	0.1uF	5%	50V
C022	1-126-941-11	ELECT	470uF	20%	6.3V
C023	1-136-169-00	FILM	0.22uF	5%	50V
C610	1-107-597-11	CERAMIC	22PF	10%	500V
C611	1-107-597-11	CERAMIC	22PF	10%	500V
C612	1-107-597-11	CERAMIC	22PF	10%	500V
C613	1-107-597-11	CERAMIC	22PF	10%	500V
C620	1-136-165-00	FILM	0.1uF	5%	50V
C658	1-124-910-11	ELECT	47uF	20%	50V (EXCEPT CH)
C658	1-126-051-11	ELECT	47uF	20%	50V (CH)
C660	1-107-597-11	CERAMIC	22PF	10%	500V
C661	1-107-597-11	CERAMIC	22PF	10%	500V
C670	1-136-165-00	FILM	0.1uF	5%	50V
C676	1-107-597-11	CERAMIC	22PF	10%	500V
C677	1-107-597-11	CERAMIC	22PF	10%	500V
C963	1-117-184-11	ELECT	4700uF	99%	63V (EXCEPT CH)
C963	1-115-569-11	ELECT	5600uF	20%	63V (CH)
C965	1-117-184-11	ELECT	4700uF	99%	63V (EXCEPT CH)
C965	1-115-569-11	ELECT	5600uF	20%	63V (CH)

Ref. No.	Part No.	Description			Remark
C971	1-126-138-11	ELECT	4700uF	20%	50V (EXCEPT CH)
C971	1-115-571-11	ELECT	6800uF	20%	50V (CH)
C972	1-126-138-11	ELECT	4700uF	20%	50V (EXCEPT CH)
C972	1-115-571-11	ELECT	6800uF	20%	50V (CH)
C983	1-117-184-11	ELECT	4700uF	99%	63V (EXCEPT CH)
C983	1-115-569-11	ELECT	5600uF	20%	63V (CH)
C984	1-117-184-11	ELECT	4700uF	99%	63V (EXCEPT CH)
C984	1-115-569-11	ELECT	5600uF	20%	63V (CH)
C985	1-117-184-11	ELECT	4700uF	99%	63V (EXCEPT CH)
C985	1-115-569-11	ELECT	5600uF	20%	63V (CH)
C986	1-117-184-11	ELECT	4700uF	99%	63V (EXCEPT CH)
C986	1-115-569-11	ELECT	5600uF	20%	63V (CH)
C987	1-124-922-11	ELECT	1000uF	20%	63V (EXCEPT CH)
C987	1-113-686-11	ELECT	2200uF	20%	63V (CH)
C988	1-124-922-11	ELECT	1000uF	20%	63V (EXCEPT CH)
C988	1-113-686-11	ELECT	2200uF	20%	63V (CH)
C990	1-106-228-00	MYLAR	0.22uF	5%	100V
C991	1-106-228-00	MYLAR	0.22uF	5%	100V
		< CONNECTOR >			
CNP706	1-764-821-11	CONNECTOR, BOARD TO BOARD 15P			
CNS610	1-568-672-11	CONNECTOR, BOARD TO BOARD 12P			
CNV611	1-778-145-11	PIN, CONNECTOR (PC BOARD) 6P			
CNV612	1-766-897-11	PIN, CONNECTOR (PC BOARD) 4P			
CNV613	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P			
CNV936	1-766-897-11	PIN, CONNECTOR (PC BOARD) 4P			
* CNV937	1-565-395-11	PIN, CONNECTOR 3P			
		< DIODE >			
D001	8-719-815-85	DIODE	1S1585		
D002	8-719-815-85	DIODE	1S1585		
D971	8-719-302-38	DIODE	RBV-602-01		
D972	8-719-302-38	DIODE	RBV-602-01		
D991	8-719-024-99	DIODE	11ES2-NTA2B (VA7ES)		

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description				Remark
D992	8-719-024-99	DIODE 11ES2-NTA2B (VA7ES)				
		< IC/TRANSISTOR >				
Q001	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q002	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q005	8-749-010-43	IC NE-N250				
Q006	8-749-010-42	IC NE-P250				
Q007	8-729-140-82	TRANSISTOR 2SA988-PAFAEA				
Q010	8-729-119-79	TRANSISTOR 2SC2785-FEK				
Q011	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA				
Q012	8-729-140-82	TRANSISTOR 2SA988-PAFAEA				
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q605	8-749-010-43	IC NE-N250				
Q606	8-749-010-42	IC NE-P250				
Q607	8-729-140-82	TRANSISTOR 2SA988-PAFAEA				
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q655	8-749-010-43	IC NE-N250				
Q656	8-749-010-42	IC NE-P250				
Q657	8-729-140-82	TRANSISTOR 2SA988-PAFAEA				
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q705	8-729-026-01	TRANSISTOR 2SD2494-OPY				
Q706	8-729-026-05	TRANSISTOR 2SB1625-OPY				
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q755	8-729-026-01	TRANSISTOR 2SD2494-OPY				
Q756	8-729-026-05	TRANSISTOR 2SB1625-OPY				
		< RESISTOR >				
R005	1-249-421-11	CARBON	2.2K	5%	1/4W	
R007	1-249-414-11	CARBON	560	5%	1/4W	
R010	1-249-393-11	CARBON	10	5%	1/4W	
R011	1-249-393-11	CARBON	10	5%	1/4W	
R012	1-249-393-11	CARBON	10	5%	1/4W	
R013	1-249-393-11	CARBON	10	5%	1/4W	
⚠R016	1-233-352-21	ENCAPSULATED COMPONENT				F
⚠R017	1-233-352-21	ENCAPSULATED COMPONENT				F
R020	1-249-425-11	CARBON	4.7K	5%	1/4W	
R021	1-249-425-11	CARBON	4.7K	5%	1/4W	
R022	1-249-421-11	CARBON	2.2K	5%	1/4W	
R023	1-249-437-11	CARBON	47K	5%	1/4W	
R054	1-249-417-11	CARBON	1K	5%	1/4W	
R055	1-249-439-11	CARBON	68K	5%	1/4W	
R056	1-249-436-11	CARBON	39K	5%	1/4W	
R057	1-249-429-11	CARBON	10K	5%	1/4W	
R605	1-249-421-11	CARBON	2.2K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R607	1-249-414-11	CARBON	560	5%	1/4W	
R610	1-249-393-11	CARBON	10	5%	1/4W	
R611	1-249-393-11	CARBON	10	5%	1/4W	
R612	1-249-393-11	CARBON	10	5%	1/4W	
R613	1-249-393-11	CARBON	10	5%	1/4W	
⚠R615	1-233-352-21	ENCAPSULATED COMPONENT				F
⚠R618	1-233-352-21	ENCAPSULATED COMPONENT				F
R620	1-249-425-11	CARBON	4.7K	5%	1/4W	
R621	1-249-425-11	CARBON	4.7K	5%	1/4W	
R622	1-249-421-11	CARBON	2.2K	5%	1/4W	
R623	1-249-437-11	CARBON	47K	5%	1/4W	
R655	1-249-421-11	CARBON	2.2K	5%	1/4W	
R657	1-249-414-11	CARBON	560	5%	1/4W	
R660	1-249-393-11	CARBON	10	5%	1/4W	
R661	1-249-393-11	CARBON	10	5%	1/4W	
R662	1-249-393-11	CARBON	10	5%	1/4W	
R663	1-249-393-11	CARBON	10	5%	1/4W	
⚠R665	1-233-352-21	ENCAPSULATED COMPONENT				F
⚠R668	1-233-352-21	ENCAPSULATED COMPONENT				F
R670	1-249-425-11	CARBON	4.7K	5%	1/4W	
R671	1-249-425-11	CARBON	4.7K	5%	1/4W	
R672	1-249-421-11	CARBON	2.2K	5%	1/4W	
R673	1-249-437-11	CARBON	47K	5%	1/4W	
R705	1-249-421-11	CARBON	2.2K	5%	1/4W	
R707	1-249-414-11	CARBON	560	5%	1/4W	
R710	1-249-405-11	CARBON	100	5%	1/4W	
R712	1-249-405-11	CARBON	100	5%	1/4W	
⚠R715	1-233-352-21	ENCAPSULATED COMPONENT				F
R723	1-249-437-11	CARBON	47K	5%	1/4W	
R755	1-249-421-11	CARBON	2.2K	5%	1/4W	
R757	1-249-414-11	CARBON	560	5%	1/4W	
R760	1-249-405-11	CARBON	100	5%	1/4W	
R762	1-249-405-11	CARBON	100	5%	1/4W	
⚠R765	1-233-352-21	ENCAPSULATED COMPONENT				F
R773	1-249-437-11	CARBON	47K	5%	1/4W	
⚠R911	1-249-393-11	CARBON	10	5%	1/4W	F (GA7ES)
⚠R913	1-249-393-11	CARBON	10	5%	1/4W	F (GA7ES)

****

* A-4390-364-A AUDIO BOARD, COMPLETE

****

< CAPACITOR >

C244	1-126-048-81	ELECT	10uF	20%	50V
C294	1-126-048-81	ELECT	10uF	20%	50V
C295	1-162-282-31	CERAMIC	100PF	10%	50V
C296	1-162-294-31	CERAMIC	0.001uF	10%	50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

AUDIO | BALANCE | CONNECTOR A | CONNECTOR R | CONNECTOR S

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CNE211	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P	
CNS210	1-695-093-11	SOCKET, CONNECTOR 9P	
		< IC >	
IC204	8-759-805-13	IC LC7821	
		< JACK >	
J210	1-766-394-11	JACK, PIN 6P (VIDEO 2 AUDIO OUT, LD AUDIO IN, TV AUDIO IN)	
J211	1-766-394-11	JACK, PIN 6P (VIDEO 1 AUDIO IN, AUDIO OUT, VIDEO 2 AUDIO IN)	
		< RESISTOR >	
R222	1-249-417-11	CARBON 1K 5% 1/4W	
R223	1-249-417-11	CARBON 1K 5% 1/4W	
R224	1-249-417-11	CARBON 1K 5% 1/4W	
R225	1-249-417-11	CARBON 1K 5% 1/4W	
R226	1-249-417-11	CARBON 1K 5% 1/4W	
R227	1-249-417-11	CARBON 1K 5% 1/4W	
R272	1-249-417-11	CARBON 1K 5% 1/4W	
R273	1-249-417-11	CARBON 1K 5% 1/4W	
R274	1-249-417-11	CARBON 1K 5% 1/4W	
R275	1-249-417-11	CARBON 1K 5% 1/4W	
R276	1-249-417-11	CARBON 1K 5% 1/4W	
R277	1-249-417-11	CARBON 1K 5% 1/4W	
R295	1-249-417-11	CARBON 1K 5% 1/4W	
R296	1-249-425-11	CARBON 4.7K 5% 1/4W	
**********			
*	1-661-561-11	BALANCE BOARD	
		**********	
		< CAPACITOR >	
C105	1-124-907-11	ELECT 10uF 20% 50V	
		< CONNECTOR >	
CNP101	1-766-551-11	PLUG, CONNECTOR 11P	
CNS107	1-770-398-11	HOUSING, CONNECTOR (PC BOARD) 5P	
CNS108	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P	
		< DIODE >	
D140	8-719-301-49	DIODE SEL2810A (TAPE MONITOR)	
D141	8-719-301-49	DIODE SEL2810A (5.1 INPUT)	
D142	8-719-301-49	DIODE SEL2810A (MUTING)	

Ref. No.	Part No.	Description	Remark
		< IC >	
IC104	8-759-962-08	IC BA6208	
		< TRANSISTOR >	
Q102	8-729-900-36	TRANSISTOR DTC124ES	
		< RESISTOR >	
R101	1-249-429-11	CARBON 10K 5% 1/4W	
R102	1-249-429-11	CARBON 10K 5% 1/4W	
R136	1-249-411-11	CARBON 330 5% 1/4W	
R137	1-249-411-11	CARBON 330 5% 1/4W	
R138	1-249-411-11	CARBON 330 5% 1/4W	
R139	1-249-415-11	CARBON 680 5% 1/4W	
		< VARIABLE RESISTOR >	
RV104	1-223-880-11	RES, VAR, CARBON 100K/100K (BALANCE)	
		< SWITCH >	
S137	1-554-303-21	SWITCH, TACTILE (TAPE MONITOR)	
S138	1-554-303-21	SWITCH, TACTILE (5.1 INPUT)	
**********			
*	1-661-583-11	CONNECTOR A BOARD	
		**********	
		< CONNECTOR >	
CNP210	1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P	
CNS203	1-695-093-11	SOCKET, CONNECTOR 9P	
**********			
*	1-661-578-11	CONNECTOR R BOARD	
		**********	
		< CONNECTOR >	
CNP408	1-750-984-11	CONNECTOR, BOARD TO BOARD 15P	
CNP409	1-750-984-11	CONNECTOR, BOARD TO BOARD 15P	
CNP508	1-778-398-11	CONNECTOR, BOARD TO BOARD 15P	
CNP509	1-778-398-11	CONNECTOR, BOARD TO BOARD 15P	
**********			
*	1-661-584-11	CONNECTOR S BOARD	
		**********	
		< CONNECTOR >	
CNP623	1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P	
CNS206	1-695-093-11	SOCKET, CONNECTOR 9P	
**********			

Ref. No.	Part No.	Description			Remark
*	1-661-582-11	CONNECTOR V BOARD			
		**********			
		< CONNECTOR >			
	CNP805 1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P			
	CNP806 1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P			
**********					
*	A-4390-391-A	DISPLAY BOARD, COMPLETE (US, CND)			
*	A-4390-393-A	DISPLAY BOARD, COMPLETE (AUS)			
*	A-4390-404-A	DISPLAY BOARD, COMPLETE (CH)			
		**********			
		< CAPACITOR >			
	C101 1-164-159-11	CERAMIC	0.1uF		50V
	C102 1-124-907-11	ELECT	10uF	20%	50V
	C103 1-164-159-11	CERAMIC	0.1uF		50V
	C104 1-124-907-11	ELECT	10uF	20%	50V
	C108 1-164-159-11	CERAMIC	0.1uF		50V
	C111 1-162-306-11	CERAMIC	0.01uF	30%	16V
	C112 1-162-306-11	CERAMIC	0.01uF	30%	16V
	C113 1-164-159-11	CERAMIC	0.1uF		50V
	C114 1-162-286-31	CERAMIC	220PF	10%	50V
	C115 1-104-905-11	CAPACITOR	0.22F		5.5V
	C116 1-162-306-11	CERAMIC	0.01uF	30%	16V
	C117 1-162-306-11	CERAMIC	0.01uF	30%	16V
	C118 1-162-306-11	CERAMIC	0.01uF	30%	16V
	C119 1-162-306-11	CERAMIC	0.01uF	30%	16V
	C120 1-164-159-11	CERAMIC	0.1uF		50V
	C121 1-162-306-11	CERAMIC	0.01uF	30%	16V
	C122 1-164-159-11	CERAMIC	0.1uF		50V
	C123 1-164-159-11	CERAMIC	0.1uF		50V
	C124 1-164-159-11	CERAMIC	0.1uF		50V
	C125 1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
*	CND103 1-506-503-11	PIN, CONNECTOR 9P			
*	CND104 1-564-340-00	PIN, CONNECTOR 6P			
*	CND105 1-564-342-11	PIN, CONNECTOR 8P			
*	CND109 1-564-341-11	PIN, CONNECTOR 7P			
*	CNS101 1-565-487-11	CONNECTOR, BOARD TO BOARD 11P			
		< DIODE >			
	D101 8-719-313-43	DIODE	SEL6210S-TH10 (STANDBY) (CH)		
	D104 8-719-024-99	DIODE	11ES2-NTA2B (EXCEPT CH)		
	D115 8-719-987-63	DIODE	1N4148M		
	D116 8-719-987-63	DIODE	1N4148M		
	D130 8-719-987-63	DIODE	1N4148M		
	D131 8-719-987-63	DIODE	1N4148M		
	D132 8-719-987-63	DIODE	1N4148M		
	D133 8-719-987-63	DIODE	1N4148M		
	D134 8-719-987-63	DIODE	1N4148M		
	D135 8-719-301-49	DIODE	SEL2810A (BASS BOOST) (CH)		
	D136 8-719-301-49	DIODE	SEL2810A (DIRECT PASS) (CH)		
	D137 8-719-301-49	DIODE	SEL2810A (INDEX)		
	D138 8-719-301-49	DIODE	SEL2810A (TONE)		
	D139 8-719-301-49	DIODE	SEL2810A (SURROUND)		
	D143 8-719-301-49	DIODE	SEL2810A (BASS BOOST) (EXCEPT CH)		
	D144 8-719-301-49	DIODE	SEL2810A (DIRECT PASS) (EXCEPT CH)		
	D151 8-719-987-63	DIODE	1N4148M (AUS)		
	D153 8-719-987-63	DIODE	1N4148M (AUS)		
	D154 8-719-987-63	DIODE	1N4148M (AUS)		
	D155 8-719-987-63	DIODE	1N4148M (CH)		
	D156 8-719-987-63	DIODE	1N4148M (CH)		
		< FILTER >			
	FL100 1-517-543-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
	IC100 8-759-075-35	IC	TD62C950RF		
	IC101 8-759-390-30	IC	MB90673PF-G-163-BND		
	IC102 8-749-923-11	IC	GP1U58XB		
	IC105 8-759-075-35	IC	TD62C950RF		
		< COIL >			
	L101 1-410-509-11	INDUCTOR	10uH		
		< TRANSISTOR >			
	Q100 8-729-900-63	TRANSISTOR	DTA124ES		
	Q101 8-729-900-36	TRANSISTOR	DTC124ES		
	Q103 8-729-900-36	TRANSISTOR	DTC124ES		
	Q104 8-729-900-36	TRANSISTOR	DTC124ES (CH)		
	Q106 8-729-900-36	TRANSISTOR	DTC124ES		
	Q107 8-729-900-36	TRANSISTOR	DTC124ES		
	Q108 8-729-900-36	TRANSISTOR	DTC124ES		
	Q109 8-729-900-36	TRANSISTOR	DTC124ES		
	Q110 8-729-900-36	TRANSISTOR	DTC124ES		
	Q111 8-729-900-36	TRANSISTOR	DTC124ES		
	Q112 8-729-900-36	TRANSISTOR	DTC124ES		
	Q113 8-729-900-36	TRANSISTOR	DTC124ES		
	Q114 8-729-900-36	TRANSISTOR	DTC124ES (CH)		
		< RESISTOR >			
	R103 1-247-807-31	CARBON	100	5%	1/4W
	R104 1-249-425-11	CARBON	4.7K	5%	1/4W
	R105 1-249-417-11	CARBON	1K	5%	1/4W

DISPLAY

Ref. No.	Part No.	Description			Remark
R106	1-249-411-11	CARBON	330	5%	1/4W (CH)
R107	1-249-419-11	CARBON	1.5K	5%	1/4W
R108	1-249-437-11	CARBON	47K	5%	1/4W
R116	1-249-429-11	CARBON	10K	5%	1/4W
R118	1-249-429-11	CARBON	10K	5%	1/4W
R119	1-249-437-11	CARBON	47K	5%	1/4W
R120	1-249-437-11	CARBON	47K	5%	1/4W
R121	1-249-437-11	CARBON	47K	5%	1/4W
R122	1-249-385-11	CARBON	2.2	5%	1/6W
R123	1-249-429-11	CARBON	10K	5%	1/4W
R124	1-249-429-11	CARBON	10K	5%	1/4W
R125	1-249-429-11	CARBON	10K	5%	1/4W
R126	1-249-411-11	CARBON	330	5%	1/4W
R127	1-249-385-11	CARBON	2.2	5%	1/6W
R128	1-249-411-11	CARBON	330	5%	1/4W
R129	1-249-411-11	CARBON	330	5%	1/4W
R130	1-249-433-11	CARBON	22K	5%	1/4W
R131	1-249-433-11	CARBON	22K	5%	1/4W
R132	1-249-433-11	CARBON	22K	5%	1/4W
R133	1-249-433-11	CARBON	22K	5%	1/4W
R134	1-249-433-11	CARBON	22K	5%	1/4W
R135	1-249-433-11	CARBON	22K	5%	1/4W
R140	1-249-417-11	CARBON	1K	5%	1/4W
R141	1-249-417-11	CARBON	1K	5%	1/4W
R142	1-249-417-11	CARBON	1K	5%	1/4W
R143	1-249-417-11	CARBON	1K	5%	1/4W
R144	1-249-417-11	CARBON	1K	5%	1/4W
R145	1-249-429-11	CARBON	10K	5%	1/4W
R146	1-249-429-11	CARBON	10K	5%	1/4W
R147	1-249-417-11	CARBON	1K	5%	1/4W
R148	1-249-417-11	CARBON	1K	5%	1/4W
R149	1-249-417-11	CARBON	1K	5%	1/4W
R150	1-249-417-11	CARBON	1K	5%	1/4W
R163	1-249-441-11	CARBON	100K	5%	1/4W
R164	1-249-441-11	CARBON	100K	5%	1/4W
R165	1-249-441-11	CARBON	100K	5%	1/4W
R166	1-249-429-11	CARBON	10K	5%	1/4W
R188	1-249-429-11	CARBON	10K	5%	1/4W
R190	1-249-429-11	CARBON	10K	5%	1/4W
R191	1-249-417-11	CARBON	1K	5%	1/4W
R192	1-249-417-11	CARBON	1K	5%	1/4W
R193	1-249-429-11	CARBON	10K	5%	1/4W
R194	1-249-441-11	CARBON	100K	5%	1/4W
R195	1-249-441-11	CARBON	100K	5%	1/4W
R196	1-249-433-11	CARBON	22K	5%	1/4W
R197	1-249-433-11	CARBON	22K	5%	1/4W
R198	1-249-441-11	CARBON	100K	5%	1/4W
R233	1-249-417-11	CARBON	1K	5%	1/4W
R234	1-249-417-11	CARBON	1K	5%	1/4W
R235	1-249-417-11	CARBON	1K	5%	1/4W
R236	1-249-417-11	CARBON	1K	5%	1/4W
R237	1-249-417-11	CARBON	1K	5%	1/4W
R238	1-249-417-11	CARBON	1K	5%	1/4W
R239	1-249-417-11	CARBON	1K	5%	1/4W

< VARIABLE RESISTOR >

RV101	1-467-808-21	ENCODER, ROTARY (FUNCTION)
RV102	1-467-809-11	ENCODER, ROTARY (PARAMETER BASS/TREBLE POSITION)
RV103	1-467-809-11	ENCODER, ROTARY (LEVEL TONE LEVEL CHARACTOR)

< SWITCH >

S100	1-554-303-21	SWITCH, TACTILE (OPC MODE)
S101	1-554-303-21	SWITCH, TACTILE (MEMORY) (EXCEPT CH)
S103	1-554-303-21	SWITCH, TACTILE (INDEX +) (EXCEPT CH)
S104	1-554-303-21	SWITCH, TACTILE (INDEX -) (EXCEPT CH)
S105	1-554-303-21	SWITCH, TACTILE (SOUND FIELD GENRE)
S106	1-554-303-21	SWITCH, TACTILE (SOUND FIELD CTR MODE)
S107	1-554-303-21	SWITCH, TACTILE (DIRECT TUNING) (EXCEPT CH)
S108	1-554-303-21	SWITCH, TACTILE (FM MODE) (EXCEPT CH)
S109	1-554-303-21	SWITCH, TACTILE (PRESET +) (EXCEPT CH)
S110	1-554-303-21	SWITCH, TACTILE (PRESET -) (EXCEPT CH)
S111	1-554-303-21	SWITCH, TACTILE (SOUND FIELD MODE)
S112	1-554-303-21	SWITCH, TACTILE (FUNCTION MODE)
S113	1-554-303-21	SWITCH, TACTILE (1) (EXCEPT CH)
S114	1-554-303-21	SWITCH, TACTILE (4) (EXCEPT CH)
S115	1-554-303-21	SWITCH, TACTILE (7) (EXCEPT CH)
S116	1-554-303-21	SWITCH, TACTILE (SHIFT) (EXCEPT CH)
S118	1-554-303-21	SWITCH, TACTILE (DIMMER)
S119	1-554-303-21	SWITCH, TACTILE (BASS BOOST) (EXCEPT CH)
S120	1-554-303-21	SWITCH, TACTILE (2) (EXCEPT CH)
S121	1-554-303-21	SWITCH, TACTILE (5) (EXCEPT CH)
S122	1-554-303-21	SWITCH, TACTILE (8) (EXCEPT CH)
S123	1-554-303-21	SWITCH, TACTILE (0) (EXCEPT CH)
S125	1-554-303-21	SWITCH, TACTILE (DISPLAY)
S126	1-554-303-21	SWITCH, TACTILE (DIRECT PASS) (EXCEPT CH)
S127	1-554-303-21	SWITCH, TACTILE (3) (EXCEPT CH)
S128	1-554-303-21	SWITCH, TACTILE (6) (EXCEPT CH)
S129	1-554-303-21	SWITCH, TACTILE (9) (EXCEPT CH)
S131	1-554-303-21	SWITCH, TACTILE (FM/AM) (EXCEPT CH)
S132	1-554-303-21	SWITCH, TACTILE (SOUND FIELD ON/OFF)
S133	1-554-118-00	SWITCH, PUSH (1 KEY) (POWER) (CH)
S134	1-554-303-21	SWITCH, TACTILE (POWER) (EXCEPT CH)
S135	1-762-268-11	SWITCH, ROTARY (SPEAKERS)
S139	1-554-303-21	SWITCH, TACTILE (BASS BOOST) (EXCEPT CH)

Ref. No.	Part No.	Description			Remark
S140	1-554-303-21	SWITCH, TACTILE (DIRECT PASS) (CH)			
		< VIBRATOR >			
X100	1-567-819-11	VIBRATOR, CERAMIC (4.00MHz)			
**********					
*	1-661-560-11	FRONT VIDEO BOARD			
		**********			
		< CONNECTOR >			
CNE290	1-770-968-11	PIN, CONNECTOR (PCB) (V TYPE) 8P			
		< JACK >			
J299	1-764-190-11	JACK, PIN 3P (AUDIO, VIDEO , S VIDEO)			
		< RESISTOR >			
R248	1-249-403-11	CARBON	68	5% 1/4W	
R298	1-249-403-11	CARBON	68	5% 1/4W	
R299	1-249-403-11	CARBON	68	5% 1/4W	
**********					
*	1-661-559-11	HP BOARD			
		********			
		< CONNECTOR >			
CNE100	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P			
		< JACK >			
J100	1-568-519-41	JACK, LARGE TYPE (PHONES)			
		< RESISTOR >			
R178	1-247-749-11	CARBON	560	5% 1/2W	
R179	1-247-749-11	CARBON	560	5% 1/2W	
**********					
*	A-4390-389-A	INPUT BOARD, COMPLETE (EXCEPT CH)			
*	A-4390-408-A	INPUT BOARD, COMPLETE (CH)			
		**********			
	1-537-770-21	TERMINAL BOARD, GROUND			
*	4-880-403-11	HEAT SINK (CH)			
		< CAPACITOR >			
C001	1-126-963-11	ELECT	4.7uF	20% 50V (EXCEPT CH)	
C001	1-126-047-81	ELECT	4.7uF	20% 50V (CH)	
C002	1-110-335-11	MYLAR	100PF	5% 50V	
C003	1-107-608-11	CERAMIC	68PF	5% 500V	
C004	1-107-597-11	CERAMIC	22PF	5% 500V	
C005	1-124-443-00	ELECT	100uF	20% 10V (EXCEPT CH)	
C005	1-124-994-11	ELECT	100uF	20% 10V (CH)	
C008	1-126-051-11	ELECT	47uF	20% 50V	
C014	1-102-937-00	CERAMIC	4.0PF	+-0.25PF 50V	
C201	1-126-963-11	ELECT	4.7uF	20% 50V (EXCEPT CH)	
C201	1-126-047-81	ELECT	4.7uF	20% 50V (CH)	
C202	1-102-106-00	CERAMIC	100PF	10% 50V	
C203	1-162-282-31	CERAMIC	100PF	10% 50V	
C204	1-104-664-11	ELECT	47uF	20% 16V (EXCEPT CH)	
C204	1-126-008-51	ELECT	47uF	20% 16V (CH)	
C205	1-130-480-00	MYLAR	0.0056uF	5% 50V	
C206	1-130-473-00	MYLAR	0.0015uF	5% 50V	
C207	1-124-903-11	ELECT	1uF	20% 50V (EXCEPT CH)	
C207	1-126-044-11	ELECT	1uF	20% 50V (CH)	
C208	1-104-664-11	ELECT	47uF	20% 16V (EXCEPT CH)	
C208	1-126-008-51	ELECT	47uF	20% 16V (CH)	
C211	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)	
C211	1-126-048-81	ELECT	10uF	20% 50V (CH)	
C213	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)	
C213	1-126-048-81	ELECT	10uF	20% 50V (CH)	
C216	1-164-159-11	CERAMIC	0.1uF	50V	
C248	1-124-478-11	ELECT	100uF	20% 25V	
C249	1-124-478-11	ELECT	100uF	20% 25V	
C251	1-126-963-11	ELECT	4.7uF	20% 50V (EXCEPT CH)	
C251	1-126-047-81	ELECT	4.7uF	20% 50V (CH)	
C252	1-102-106-00	CERAMIC	100PF	10% 50V	
C253	1-162-282-31	CERAMIC	100PF	10% 50V	
C254	1-104-664-11	ELECT	47uF	20% 16V (EXCEPT CH)	
C254	1-126-008-51	ELECT	47uF	20% 16V (CH)	
C255	1-130-480-00	MYLAR	0.0056uF	5% 50V	
C256	1-130-473-00	MYLAR	0.0015uF	5% 50V	
C257	1-124-903-11	ELECT	1uF	20% 50V (EXCEPT CH)	

INPUT

Ref. No.	Part No.	Description		Remark
C257	1-126-044-11	ELECT	1uF	20% 50V (CH)
C258	1-104-664-11	ELECT	47uF	20% 16V (EXCEPT CH)
C258	1-126-008-51	ELECT	47uF	20% 16V (CH)
C261	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C261	1-126-048-81	ELECT	10uF	20% 50V (CH)
C263	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C263	1-126-048-81	ELECT	10uF	20% 50V (CH)
C266	1-164-159-11	CERAMIC	0.1uF	50V
C297	1-162-294-31	CERAMIC	0.001uF	10% 50V
C601	1-126-963-11	ELECT	4.7uF	20% 50V (EXCEPT CH)
C601	1-126-047-81	ELECT	4.7uF	20% 50V (CH)
C602	1-110-335-11	MYLAR	100PF	5% 50V
C603	1-107-608-11	CERAMIC	68PF	5% 500V
C604	1-107-597-11	CERAMIC	22PF	5% 500V
C605	1-124-443-00	ELECT	100uF	20% 10V (EXCEPT CH)
C605	1-124-994-11	ELECT	100uF	20% 10V (CH)
C608	1-124-910-11	ELECT	47uF	20% 50V (EXCEPT CH)
C608	1-126-051-11	ELECT	47uF	20% 50V (CH)
C614	1-102-937-00	CERAMIC	4.0PF	+-0.25PF 50V
C651	1-126-963-11	ELECT	4.7uF	20% 50V (EXCEPT CH)
C651	1-126-047-81	ELECT	4.7uF	20% 50V (CH)
C652	1-110-335-11	MYLAR	100PF	5% 50V
C653	1-107-608-11	CERAMIC	68PF	5% 500V
C654	1-107-597-11	CERAMIC	22PF	5% 500V
C655	1-124-443-00	ELECT	100uF	20% 10V (EXCEPT CH)
C655	1-124-994-11	ELECT	100uF	20% 10V (CH)
C664	1-102-937-00	CERAMIC	4.0PF	+-0.25PF 50V
C920	1-136-153-00	FILM	0.01uF	5% 50V
C921	1-136-153-00	FILM	0.01uF	5% 50V
C922	1-136-153-00	FILM	0.01uF	5% 50V
C975	1-124-563-11	ELECT	2200uF	20% 25V (EXCEPT CH)
C975	1-126-029-11	ELECT	3300uF	20% 25V (CH)
C976	1-124-563-11	ELECT	2200uF	20% 25V (EXCEPT CH)
C976	1-126-029-11	ELECT	3300uF	20% 25V (CH)
C977	1-124-563-11	ELECT	2200uF	20% 25V (EXCEPT CH)
C977	1-126-029-11	ELECT	3300uF	20% 25V (CH)
C978	1-124-478-11	ELECT	100uF	20% 25V
C979	1-124-478-11	ELECT	100uF	20% 25V
C980	1-124-478-11	ELECT	100uF	20% 25V

< CONNECOR >

CNE204	1-770-970-11	PIN, CONNECTOR (PCB) (V TYPE)	10P
CNE939	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE)	5P
CNL903	1-778-769-11	PIN, CONNECTOR	
CNL904	1-778-769-11	PIN, CONNECTOR	
CNP201	1-695-091-11	PIN, CONNECTOR (PC BOARD)	15P
CNP203	1-695-088-11	PIN, CONNECTOR (PC BOARD)	9P
CNP206	1-695-088-11	PIN, CONNECTOR (PC BOARD)	9P
CNP504	1-750-180-11	PIN, CONNECTOR (PC BOARD)	5P
CNP602	1-778-458-11	CONNECTOR, BOARD TO BOARD	12P

< DIODE >

D908	8-719-024-99	DIODE	11ES2-NTA2B
D909	8-719-024-99	DIODE	11ES2-NTA2B
D910	8-719-024-99	DIODE	11ES2-NTA2B
D911	8-719-024-99	DIODE	11ES2-NTA2B
D912	8-719-024-99	DIODE	11ES2-NTA2B
D913	8-719-024-99	DIODE	11ES2-NTA2B
D914	8-719-024-99	DIODE	11ES2-NTA2B
D915	8-719-024-99	DIODE	11ES2-NTA2B

< IC >

IC001	8-749-011-16	IC	STK350-230
IC201	8-759-636-74	IC	M5218AP-22
IC202	8-759-805-14	IC	LC7822
IC203	8-759-636-74	IC	M5218AP-22
IC253	8-759-636-74	IC	M5218AP-22
IC601	8-749-011-16	IC	STK350-230
IC651	8-749-011-16	IC	STK350-230
IC971	8-759-231-58	IC	TA7812S
IC972	8-759-604-45	IC	M5F79M12
IC973	8-759-701-56	IC	NJM78M05FA

< JACK >

J201	1-770-272-11	JACK, PIN 2P (PHONO IN) (EXCEPT CH)
J201	1-695-188-31	JACK, PIN 4P (PHONO IN, TUNNER IN) (CH)
J202	1-770-015-11	JACK, PIN 6P (DAT/MD IN, REC OUT, CD IN)

INPUT | POWER TRANSFORMER A

Ref. No.	Part No.	Description			Remark
J203	1-770-015-11	JACK, PIN 6P (5.1 INPUT FRONT, TAPE IN, REC OUT)			
J204	1-766-398-21	JACK, PIN 4P (5.1 INPUT REAR, CENTER, WOOFER)			
J205	1-766-398-21	JACK, PIN 4P (REAR, CENTER, WOOFER)			
		< TRANSISTOR >			
Q201	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q202	8-729-900-63	TRANSISTOR DTA124ES			
Q251	8-729-141-30	TRANSISTOR 2SC3623A-LK			
		< RESISTOR >			
R001	1-249-438-11	CARBON	56K	5%	1/4W
R002	1-249-198-11	CARBON	330	5%	1/3W
R003	1-249-413-11	CARBON	470	5%	1/4W
R014	1-249-493-11	CARBON	56K	5%	1/3W
R027	1-249-417-11	CARBON	1K	5%	1/4W
R201	1-249-409-11	CARBON	220	5%	1/4W
R202	1-249-441-11	CARBON	100K	5%	1/4W
R203	1-249-441-11	CARBON	100K	5%	1/4W
R204	1-249-416-11	CARBON	820	5%	1/4W
R205	1-247-897-11	CARBON	560K	5%	1/4W
R206	1-249-437-11	CARBON	47K	5%	1/4W
R207	1-249-441-11	CARBON	100K	5%	1/4W
R208	1-247-807-31	CARBON	100	5%	1/4W
R209	1-249-417-11	CARBON	1K	5%	1/4W (CH)
R210	1-249-417-11	CARBON	1K	5%	1/4W
R211	1-249-417-11	CARBON	1K	5%	1/4W
R212	1-249-417-11	CARBON	1K	5%	1/4W
R213	1-249-417-11	CARBON	1K	5%	1/4W
R214	1-249-417-11	CARBON	1K	5%	1/4W
R215	1-249-441-11	CARBON	100K	5%	1/4W
R216	1-249-437-11	CARBON	47K	5%	1/4W
R217	1-249-437-11	CARBON	47K	5%	1/4W
R218	1-249-441-11	CARBON	100K	5%	1/4W
R220	1-249-425-11	CARBON	4.7K	5%	1/4W
R228	1-249-441-11	CARBON	100K	5%	1/4W
R232	1-249-409-11	CARBON	220	5%	1/4W
R240	1-249-417-11	CARBON	1K	5%	1/4W
R241	1-249-417-11	CARBON	1K	5%	1/4W
R242	1-249-417-11	CARBON	1K	5%	1/4W
R243	1-247-807-31	CARBON	100	5%	1/4W
R244	1-247-807-31	CARBON	100	5%	1/4W
R247	1-249-417-11	CARBON	1K	5%	1/4W
R251	1-249-409-11	CARBON	220	5%	1/4W
R252	1-249-441-11	CARBON	100K	5%	1/4W
R253	1-249-441-11	CARBON	100K	5%	1/4W
R254	1-249-416-11	CARBON	820	5%	1/4W
R255	1-247-897-11	CARBON	560K	5%	1/4W
R256	1-249-437-11	CARBON	47K	5%	1/4W
R257	1-249-441-11	CARBON	100K	5%	1/4W
R258	1-247-807-31	CARBON	100	5%	1/4W
R259	1-249-417-11	CARBON	1K	5%	1/4W (CH)
R260	1-249-417-11	CARBON	1K	5%	1/4W
R261	1-249-417-11	CARBON	1K	5%	1/4W
R262	1-249-417-11	CARBON	1K	5%	1/4W
R263	1-249-417-11	CARBON	1K	5%	1/4W
R264	1-249-417-11	CARBON	1K	5%	1/4W
R265	1-249-441-11	CARBON	100K	5%	1/4W
R266	1-249-437-11	CARBON	47K	5%	1/4W
R267	1-249-437-11	CARBON	47K	5%	1/4W
R268	1-249-441-11	CARBON	100K	5%	1/4W
R270	1-249-425-11	CARBON	4.7K	5%	1/4W
R278	1-249-437-11	CARBON	47K	5%	1/4W
R282	1-249-409-11	CARBON	220	5%	1/4W
R290	1-249-417-11	CARBON	1K	5%	1/4W
R291	1-249-417-11	CARBON	1K	5%	1/4W
R292	1-249-417-11	CARBON	1K	5%	1/4W
R297	1-249-425-11	CARBON	4.7K	5%	1/4W
R601	1-249-438-11	CARBON	56K	5%	1/4W
R602	1-249-198-11	CARBON	330	5%	1/3W
R603	1-249-413-11	CARBON	470	5%	1/4W
R614	1-249-493-11	CARBON	56K	5%	1/3W
R651	1-249-438-11	CARBON	56K	5%	1/4W
R652	1-249-198-11	CARBON	330	5%	1/3W
R653	1-249-413-11	CARBON	470	5%	1/4W
R664	1-249-493-11	CARBON	56K	5%	1/3W
R727	1-249-417-11	CARBON	1K	5%	1/4W
R777	1-249-417-11	CARBON	1K	5%	1/4W
		< SWITCH >			
S202	1-692-196-11	SWITCH, SLIDE (LOW FILTER) (EXCEPT CH)			
S203	1-692-196-11	SWITCH, SLIDE (POWER SWAP) (EXCEPT CH)			
**********					
*	1-661-571-11	POWER TRANSFORMER A BOARD			
		**********			
	1-533-339-31	HOLDER, FUSE			
		< CAPACITOR >			
C996	1-106-383-00	MYLAR	0.047uF	5%	200V
C997	1-106-383-00	MYLAR	0.047uF	5%	200V
		< CONNECTOR >			
CNE932	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P			
* CNV931	1-565-395-11	PIN, CONNECTOR 3P			

POWER TRANSFORMER A | POWER TRANSFORMER B | S VIDEO

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D970	8-719-028-23	DIODE D3SBA20-4101			
		< FUSE >			
⚠F911	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (5A 125V)			(US, CND)
⚠F911	1-532-505-51	FUSE, TIME LAG (5A 250V) (CH, AUS)			
⚠F912	1-533-614-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (1.6A 125V)			(US, CND)
⚠F912	1-532-503-51	FUSE, TIME LAG (1.6A 250V) (CH, AUS)			
⚠F913	1-533-614-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (1.6A 125V)			(US, CND)
⚠F913	1-532-503-51	FUSE, TIME LAG (1.6A 250V) (CH, AUS)			
⚠F914	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (5A 125V)			(US, CND)
⚠F914	1-532-464-51	FUSE, TIME LAG (5A 250V) (CH, AUS)			
		< TRANSFORMER >			
⚠T1	1-429-589-11	TRANSFORMER, POWER (US)			
⚠T1	1-429-590-11	TRANSFORMER, POWER (AUS)			
⚠T1	1-429-594-11	TRANSFORMER, POWER (CH)			
⚠T1	1-429-596-11	TRANSFORMER, POWER (CND)			
**********					
*	1-661-572-11	POWER TRANSFORMER B BOARD			
		**********			
	4-986-277-01	SPACER (29)			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C981	1-126-964-11	ELECT	10uF	20%	50V
C982	1-126-964-11	ELECT	10uF	20%	50V
C989	1-128-555-91	ELECT	470uF	20%	63V (EXCEPT CH)
C989	1-128-553-51	ELECT	220uF	20%	63V (CH)
		< CONNECTOR >			
CNE934	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P			(EXCEPT CH)
CNE934	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P (CH)			
CNV953	1-766-897-11	PIN, CONNECTOR (PC BOARD) 4P			
		< DIODE >			
D916	8-719-987-63	DIODE 1N4148M (EXCEPT CH)			
D917	8-719-014-66	DIODE UZP-5.6B			
D918	8-719-024-99	DIODE 11ES2-NTA2B (CH)			
D919	8-719-024-99	DIODE 11ES2-NTA2B (CH)			
D920	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT CH)			
D921	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT CH)			
D974	8-719-002-76	DIODE UZL-36H			
		< TRANSISTOR >			
Q971	8-729-140-96	TRANSISTOR 2SD774-34			
		< RESISTOR >			
⚠R975	1-249-405-11	CARBON	100	5%	1/4W F
R976	1-249-426-11	CARBON	5.6K	5%	1/4W
		< RELAY >			
RY902	1-515-894-11	RELAY (US, AUS)			
RY903	1-515-918-11	RELAY (CND)			
RY904	1-515-918-11	RELAY (CND)			
**********					
*	A-4390-398-A	S VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C805	1-136-165-00	FILM	0.1uF	5%	50V
C809	1-164-095-11	CERAMIC	0.01uF	10%	16V
C810	1-124-903-11	ELECT	1uF	20%	50V
C814	1-136-165-00	FILM	0.1uF	5%	50V
C817	1-164-159-11	CERAMIC	0.1uF		50V
C821	1-164-095-11	CERAMIC	0.01uF	10%	16V
C822	1-124-903-11	ELECT	1uF	20%	50V
C823	1-136-165-00	FILM	0.1uF	5%	50V
C825	1-164-095-11	CERAMIC	0.01uF	10%	16V
C826	1-124-907-11	ELECT	10uF	20%	50V
C827	1-124-907-11	ELECT	10uF	20%	50V
C828	1-124-907-11	ELECT	10uF	20%	50V
C829	1-124-903-11	ELECT	1uF	20%	50V
C833	1-124-903-11	ELECT	1uF	20%	50V
C834	1-136-165-00	FILM	0.1uF	5%	50V
C845	1-136-165-00	FILM	0.1uF	5%	50V
C846	1-104-664-11	ELECT	47uF	20%	50V
C878	1-124-903-11	ELECT	1uF	20%	50V
		< CONNECTOR >			
* CND801	1-564-340-61	PIN, CONNECTOR 6P			
CNE807	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P			
CNS805	1-695-093-11	SOCKET, CONNECTOR 9P			
		< IC >			
IC803	8-759-061-95	IC SN761200			
IC804	8-759-061-95	IC SN761200			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
		< JACK >	
J804	1-537-943-11	TERMINAL, S (TV) (CH)	
J805	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO 2 OUT, LD IN)	
J806	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO 1 OUT, VIDEO 2 IN)	
J807	1-764-676-11	CONNECTOR (ROUND TYPE) (MONITOR OUT, VIDEO 1 IN)	
		< COIL >	
L803	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q804	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q805	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q806	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q807	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q808	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q809	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q810	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q811	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q812	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q813	8-729-900-36	TRANSISTOR DTC124ES	
		< RESISTOR >	
R806	1-247-807-31	CARBON 100 5% 1/4W	
R815	1-249-403-11	CARBON 68 5% 1/4W	
R818	1-249-403-11	CARBON 68 5% 1/4W	
R819	1-249-403-11	CARBON 68 5% 1/4W	
R820	1-249-409-11	CARBON 220 5% 1/4W	
R821	1-249-409-11	CARBON 220 5% 1/4W	
R823	1-249-409-11	CARBON 220 5% 1/4W	
R824	1-249-409-11	CARBON 220 5% 1/4W	
R825	1-249-403-11	CARBON 68 5% 1/4W	
R827	1-249-403-11	CARBON 68 5% 1/4W	
R828	1-249-411-11	CARBON 330 5% 1/4W	
R829	1-249-411-11	CARBON 330 5% 1/4W	
R830	1-249-411-11	CARBON 330 5% 1/4W	
R831	1-249-403-11	CARBON 68 5% 1/4W	
R833	1-249-426-11	CARBON 5.6K 5% 1/4W	
R834	1-249-426-11	CARBON 5.6K 5% 1/4W	
R835	1-249-426-11	CARBON 5.6K 5% 1/4W	
R838	1-249-403-11	CARBON 68 5% 1/4W	
R839	1-249-403-11	CARBON 68 5% 1/4W	
R840	1-249-403-11	CARBON 68 5% 1/4W	
R841	1-249-403-11	CARBON 68 5% 1/4W	
R843	1-249-419-11	CARBON 1.5K 5% 1/4W	
R844	1-249-419-11	CARBON 1.5K 5% 1/4W	
R845	1-249-419-11	CARBON 1.5K 5% 1/4W	
R847	1-249-403-11	CARBON 68 5% 1/4W	
R848	1-249-403-11	CARBON 68 5% 1/4W	
R849	1-249-403-11	CARBON 68 5% 1/4W	
R851	1-249-403-11	CARBON 68 5% 1/4W	
R854	1-249-430-11	CARBON 12K 5% 1/4W	
R855	1-249-430-11	CARBON 12K 5% 1/4W	
R856	1-249-430-11	CARBON 12K 5% 1/4W	
R857	1-249-403-11	CARBON 68 5% 1/4W	
R8007	1-249-409-11	CARBON 220 5% 1/4W	
R8011	1-249-409-11	CARBON 220 5% 1/4W	
R8055	1-249-403-11	CARBON 68 5% 1/4W	
R8056	1-249-403-11	CARBON 68 5% 1/4W	
**********			
*	A-4390-351-A	SAM BOARD, COMPLETE	
		**********	
		< CAPACITOR >	
C701	1-126-963-11	ELECT 4.7uF 20% 50V	
C702	1-162-282-31	CERAMIC 100PF 10% 50V	
C703	1-124-443-00	ELECT 100uF 20% 10V	
C704	1-102-233-00	CERAMIC 33PF 10% 500V	
C705	1-124-122-11	ELECT 100uF 20% 50V	
C706	1-124-122-11	ELECT 100uF 20% 50V	
C708	1-124-910-11	ELECT 47uF 20% 50V	
C714	1-162-193-31	CERAMIC 3.3PF 10% 50V	
C720	1-136-165-00	FILM 0.1uF 5% 50V	
C751	1-126-963-11	ELECT 4.7uF 20% 50V	
C752	1-162-282-31	CERAMIC 100PF 10% 50V	
C753	1-124-443-00	ELECT 100uF 20% 10V	
C754	1-102-233-00	CERAMIC 33PF 10% 500V	
C758	1-124-910-11	ELECT 47uF 20% 50V	
C764	1-162-193-31	CERAMIC 3.3PF 10% 50V	
C770	1-136-165-00	FILM 0.1uF 5% 50V	
		< CONNECTOR >	
CNE705	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P	
CNS706	1-764-814-11	CONNECTOR, BOARD TO BOARD 15P	
		< IC >	
IC701	8-759-326-52	IC uPC2581V	
		< TRANSISTOR >	
Q707	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q757	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	

Ref. No.	Part No.	Description				Remark
		< RESISTOR >				
R701	1-249-417-11	CARBON	1K	5%	1/4W	
R702	1-249-438-11	CARBON	56K	5%	1/4W	
R703	1-249-411-11	CARBON	330	5%	1/4W	
R704	1-249-432-11	CARBON	18K	5%	1/4W	
R714	1-249-438-11	CARBON	56K	5%	1/4W	
R721	1-249-425-11	CARBON	4.7K	5%	1/4W	
R722	1-249-421-11	CARBON	2.2K	5%	1/4W	
R751	1-249-417-11	CARBON	1K	5%	1/4W	
R752	1-249-438-11	CARBON	56K	5%	1/4W	
R753	1-249-411-11	CARBON	330	5%	1/4W	
R764	1-249-438-11	CARBON	56K	5%	1/4W	
R771	1-249-425-11	CARBON	4.7K	5%	1/4W	
R772	1-249-421-11	CARBON	2.2K	5%	1/4W	
**********						
*	A-4390-924-A	SP TM BOARD, COMPLETE (EXCEPT CH)				
*	A-4390-925-A	SP TM BOARD, COMPLETE (CH)				
		**********				
		SP TM(A) BOARD				
		**********				
		SP TM(B) BOARD				
		**********				
		< CAPACITOR >				
C021	1-136-157-00	FILM	0.022uF	5%	50V	
C621	1-136-157-00	FILM	0.022uF	5%	50V	
C671	1-136-157-00	FILM	0.022uF	5%	50V	
C721	1-136-157-00	FILM	0.022uF	5%	50V	
C771	1-136-157-00	FILM	0.022uF	5%	50V	
		< CONNECTOR >				
* CND620	1-564-338-71	PIN, CONNECTOR 4P (EXCEPT CH)				
* CND621	1-564-342-11	PIN, CONNECTOR 8P				
CNE601	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P				
CNE622	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P				(EXCEPT CH)
CNE622	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P				(CH)
CNS623	1-695-093-11	SOCKET, CONNECTOR 9P				
CNV615	1-778-145-11	PIN, CONNECTOR (PC BOARD) 6P				
CNV616	1-766-897-11	PIN, CONNECTOR (PC BOARD) 4P				
		< DIODE >				
D010	8-719-987-63	DIODE	1N4148M			
D601	8-719-987-63	DIODE	1N4148M			
D610	8-719-987-63	DIODE	1N4148M			
D660	8-719-987-63	DIODE	1N4148M			
D710	8-719-987-63	DIODE	1N4148M			

Ref. No.	Part No.	Description				Remark
		< COIL >				
L001	1-411-906-11	COIL, AIR-CORE				
L601	1-411-906-11	COIL, AIR-CORE				
L651	1-411-906-11	COIL, AIR-CORE				
L701	1-411-906-11	COIL, AIR-CORE				
L751	1-411-906-11	COIL, AIR-CORE				
		< TRANSISTOR >				
Q008	8-729-119-79	TRANSISTOR	2SC2785-FEK			
Q603	8-729-119-79	TRANSISTOR	2SC2785-FEK			
Q608	8-729-119-79	TRANSISTOR	2SC2785-FEK			
Q651	8-729-119-79	TRANSISTOR	2SC2785-FEK			(EXCEPT CH)
Q658	8-729-119-79	TRANSISTOR	2SC2785-FEK			
Q708	8-729-119-79	TRANSISTOR	2SC2785-FEK			
		< RESISTOR >				
R024	1-249-393-11	CARBON	10	5%	1/4W	
R025	1-249-389-11	CARBON	4.7	5%	1/4W	
R026	1-249-432-11	CARBON	18K	5%	1/4W	
R030	1-249-425-11	CARBON	4.7K	5%	1/4W	
R031	1-249-429-11	CARBON	10K	5%	1/4W	
R032	1-249-414-11	CARBON	560	5%	1/4W	
R050	1-249-425-11	CARBON	4.7K	5%	1/4W	(EXCEPT CH)
R051	1-249-429-11	CARBON	10K	5%	1/4W	(EXCEPT CH)
R052	1-249-414-11	CARBON	560	5%	1/4W	
R604	1-249-429-11	CARBON	10K	5%	1/4W	
R608	1-249-429-11	CARBON	10K	5%	1/4W	
R616	1-249-417-11	CARBON	1K	5%	1/4W	
R617	1-249-417-11	CARBON	1K	5%	1/4W	
R624	1-249-393-11	CARBON	10	5%	1/4W	
R625	1-249-389-11	CARBON	4.7	5%	1/4W	
R630	1-249-425-11	CARBON	4.7K	5%	1/4W	
R631	1-249-429-11	CARBON	10K	5%	1/4W	
R632	1-249-414-11	CARBON	560	5%	1/4W	
R674	1-249-393-11	CARBON	10	5%	1/4W	
R675	1-249-389-11	CARBON	4.7	5%	1/4W	
R680	1-249-425-11	CARBON	4.7K	5%	1/4W	
R681	1-249-429-11	CARBON	10K	5%	1/4W	
R682	1-249-414-11	CARBON	560	5%	1/4W	
R724	1-249-393-11	CARBON	10	5%	1/4W	
R725	1-249-389-11	CARBON	4.7	5%	1/4W	
R726	1-249-432-11	CARBON	18K	5%	1/4W	
R730	1-249-425-11	CARBON	4.7K	5%	1/4W	
R731	1-249-429-11	CARBON	10K	5%	1/4W	
R732	1-249-414-11	CARBON	560	5%	1/4W	
R774	1-249-393-11	CARBON	10	5%	1/4W	

SP TM **SP TM (A)** **SP TM (B)** **SURROUND**

Ref. No.	Part No.	Description			Remark
R775	1-249-389-11	CARBON	4.7	5%	1/4W
R776	1-249-432-11	CARBON	18K	5%	1/4W
		< RELAY >			
RY001	1-515-920-11	RELAY (24V)			
RY601	1-515-920-11	RELAY (24V)			
RY602	1-515-614-11	RELAY			
RY651	1-515-920-11	RELAY (24V)			
RY701	1-515-920-11	RELAY (24V)			
		< SWITCH >			
S721	1-692-196-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)			(EXCEPT CH)
		< TERMINAL >			
TM001	1-694-115-11	TERMINAL BOARD (6P) (CENTER SPEAKER, REAR SPEAKERS)			
TM601	1-694-113-11	TERMINAL BOARD (FRONT SPEAKERS)			
**********					
*	A-4390-392-A	SURROUND BOARD, COMPLETE (US, CND)			
*	A-4390-492-A	SURROUND BOARD, COMPLETE (AUS)			
*	A-4390-405-A	SURROUND BOARD, COMPLETE (CH)			
		**********			
		< CAPACITOR >			
C1303	1-136-157-00	FILM	0.022uF	5%	50V
C1304	1-136-161-00	FILM	0.047uF	5%	50V
C1305	1-104-666-11	ELECT	220uF	20%	10V (EXCEPT CH)
C1305	1-124-995-11	ELECT	220uF	20%	10V (CH)
C1306	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C1306	1-126-048-81	ELECT	10uF	20%	50V (CH)
C1307	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C1307	1-126-048-81	ELECT	10uF	20%	50V (CH)
C1308	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C1308	1-126-048-81	ELECT	10uF	20%	50V (CH)
C1309	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C1309	1-126-048-81	ELECT	10uF	20%	50V (CH)
C1310	1-104-666-11	ELECT	220uF	20%	10V (EXCEPT CH)
C1310	1-124-995-11	ELECT	220uF	20%	10V (CH)
C1311	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C1311	1-126-048-81	ELECT	10uF	20%	50V (CH)
C1312	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C1312	1-126-048-81	ELECT	10uF	20%	50V (CH)
C1313	1-136-165-00	FILM	0.1uF	5%	50V
C1314	1-136-165-00	FILM	0.1uF	5%	50V
C1315	1-124-902-00	ELECT	0.47uF	20%	50V (US, CND)
C1316	1-126-963-11	ELECT	4.7uF	20%	50V (EXCEPT CH)
C1316	1-126-047-81	ELECT	4.7uF	20%	50V (CH)
C1317	1-124-902-00	ELECT	0.47uF	20%	50V (US, CND, AUS)
C1318	1-126-963-11	ELECT	4.7uF	20%	50V (EXCEPT CH)
C1318	1-126-047-81	ELECT	4.7uF	20%	50V (CH)
C1319	1-136-167-00	FILM	0.15uF	5%	50V
C1320	1-126-962-11	ELECT	3.3uF	20%	50V (EXCEPT CH)
C1320	1-126-046-11	ELECT	3.3uF	20%	50V (CH)
C1321	1-136-167-00	FILM	0.15uF	5%	50V
C1322	1-162-282-31	CERAMIC	100PF	10%	50V
C1323	1-104-664-11	ELECT	47uF	20%	16V (EXCEPT CH)
C1323	1-126-008-51	ELECT	47uF	20%	16V (CH)
C1324	1-136-165-00	FILM	0.1uF	5%	50V
C1325	1-136-165-00	FILM	0.1uF	5%	50V
C1326	1-124-902-00	ELECT	0.47uF	20%	50V (US, CND, AUS)
C1327	1-126-963-11	ELECT	4.7uF	20%	50V (EXCEPT CH)
C1327	1-126-047-81	ELECT	4.7uF	20%	50V (CH)
C1328	1-126-963-11	ELECT	4.7uF	20%	50V (EXCEPT CH)
C1328	1-126-047-81	ELECT	4.7uF	20%	50V (CH)
C1329	1-136-167-00	FILM	0.15uF	5%	50V
C1330	1-124-902-00	ELECT	0.47uF	20%	50V (US, CND, AUS)
C1331	1-126-962-11	ELECT	3.3uF	20%	50V (WXCEPT CH)

SURROUND

Ref. No.	Part No.	Description		Remark
C1331	1-126-046-11	ELECT	3.3uF	20% 50V (CH)
C1332	1-136-167-00	FILM	0.15uF	5% 50V
C1333	1-104-666-11	ELECT	220uF	20% 10V (EXCEPT CH)
C1333	1-124-995-11	ELECT	220uF	20% 10V (CH)
C1334	1-104-665-11	ELECT	100uF	20% 16V
C1335	1-164-159-11	CERAMIC	0.1uF	50V
C1336	1-126-961-11	ELECT	2.2uF	20% 50V (EXCEPT CH)
C1336	1-126-045-11	ELECT	2.2uF	20% 50V (CH)
C1337	1-104-666-11	ELECT	220uF	20% 10V (EXCEPT CH)
C1337	1-124-995-11	ELECT	220uF	20% 10V (CH)
C1338	1-136-165-00	FILM	0.1uF	5% 50V
C1339	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C1339	1-126-048-81	ELECT	10uF	20% 50V (CH)
C1340	1-130-469-00	MYLAR	680PF	5% 50V
C1341	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C1341	1-126-048-81	ELECT	10uF	20% 50V (CH)
C1342	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C1342	1-126-048-81	ELECT	10uF	20% 50V (CH)
C1343	1-164-159-11	CERAMIC	0.1uF	50V
C1344	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C1344	1-126-048-81	ELECT	10uF	20% 50V (CH)
C1345	1-164-159-11	CERAMIC	0.1uF	50V
C1346	1-164-159-11	CERAMIC	0.1uF	50V
C1347	1-136-173-00	FILM	0.47uF	5% 50V
C1352	1-104-666-11	ELECT	220uF	20% 10V (EXCEPT CH)
C1352	1-124-995-11	ELECT	220uF	20% 10V (CH)
C1353	1-136-159-00	FILM	0.033uF	5% 50V
C1354	1-130-473-00	MYLAR	0.0015uF	5% 50V
C1355	1-136-159-00	FILM	0.033uF	5% 50V
C1356	1-124-903-11	ELECT	1uF	20% 50V (EXCEPT CH)
C1356	1-126-044-11	ELECT	1uF	20% 50V (CH)
C1357	1-104-666-11	ELECT	220uF	20% 10V (EXCEPT CH)
C1357	1-124-995-11	ELECT	220uF	20% 10V (CH)
C1391	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C1391	1-126-048-81	ELECT	10uF	20% 50V (CH)
C1392	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C1392	1-126-048-81	ELECT	10uF	20% 50V (CH)
C1394	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C1394	1-126-048-81	ELECT	10uF	20% 50V (CH)
C1401	1-126-963-11	ELECT	4.7uF	20% 50V (EXCEPT CH)
C1401	1-126-047-81	ELECT	4.7uF	20% 50V (CH)
C1402	1-102-106-00	CERAMIC	100PF	10% 50V
C1406	1-136-159-00	FILM	0.033uF	5% 50V
C1407	1-136-171-00	FILM	0.33uF	5% 50V
C1408	1-104-664-11	ELECT	47uF	20% 16V (EXCEPT CH)
C1408	1-126-008-51	ELECT	47uF	20% 16V (CH)
C1409	1-136-163-00	FILM	0.068uF	5% 50V
C1410	1-136-154-00	FILM	0.012uF	5% 50V
C1411	1-130-476-00	MYLAR	0.0027uF	5% 50V
C1412	1-136-157-00	FILM	0.022uF	5% 50V
C1413	1-102-947-00	CERAMIC	10PF	5% 50V
C1414	1-102-947-00	CERAMIC	10PF	5% 50V
C1415	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C1415	1-126-048-81	ELECT	10uF	20% 50V (CH)
C1416	1-102-947-00	CERAMIC	10PF	5% 50V
C1452	1-102-106-00	CERAMIC	100PF	10% 50V
C1456	1-136-159-00	FILM	0.033uF	5% 50V
C1457	1-136-171-00	FILM	0.33uF	5% 50V
C1458	1-104-664-11	ELECT	47uF	20% 16V (EXCEPT CH)
C1458	1-126-008-51	ELECT	47uF	20% 16V (CH)
C1459	1-136-163-00	FILM	0.068uF	5% 50V
C1460	1-136-154-00	FILM	0.012uF	5% 50V
C1461	1-130-476-00	MYLAR	0.0027uF	5% 50V
C1462	1-136-157-00	FILM	0.022uF	5% 50V
C1463	1-102-947-00	CERAMIC	10PF	5% 50V
C1464	1-102-947-00	CERAMIC	10PF	5% 50V

Ref. No.	Part No.	Description			Remark
C1465	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C1465	1-126-048-81	ELECT	10uF	20%	50V (CH)
C1466	1-102-947-00	CERAMIC	10PF	5%	50V
C1470	1-136-165-00	FILM	0.1uF	5%	50V
C1471	1-164-159-11	CERAMIC	0.1uF		50V
C1472	1-164-159-11	CERAMIC	0.1uF		50V
C1473	1-162-282-31	CERAMIC	100PF	10%	50V
C1495	1-164-159-11	CERAMIC	0.1uF		50V
C1496	1-104-664-11	ELECT	47uF	20%	16V (EXCEPT CH)
C1496	1-126-008-51	ELECT	47uF	20%	16V (CH)
C1497	1-104-664-11	ELECT	47uF	20%	16V (EXCEPT CH)
C1497	1-126-008-51	ELECT	47uF	20%	16V (CH)
C1498	1-162-282-31	CERAMIC	100PF	10%	50V
		< CONNECTOR >			
CND451	1-506-615-11	PIN, CONNECTOR 9P			
* CND454	1-564-340-61	PIN, CONNECTOR 6P			
* CND455	1-564-499-11	PIN, CONNECTOR 6P			
* CND456	1-564-342-11	PIN, CONNECTOR 8P			
* CND457	1-564-338-71	PIN, CONNECTOR 4P (US, CND)			
* CND457	1-564-338-00	PIN, CONNECTOR 4P (AUS)			
CND470	1-564-501-11	PIN, CONNECTOR 8P			
* CND471	1-564-500-11	PIN, CONNECTOR 7P			
CNE452	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P			(US, CND, AUS)
CNE452	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P (CH)			
* CNS458	1-580-974-11	CONNECTOR, BOARD TO BOARD			
* CNS459	1-580-974-11	CONNECTOR, BOARD TO BOARD			
		< DIODE >			
D1104	8-719-987-63	DIODE	1N4148M		
D1105	8-719-987-63	DIODE	1N4148M		
D1161	8-719-987-63	DIODE	1N4148M		
D1162	8-719-987-63	DIODE	1N4148M		
D1163	8-719-987-63	DIODE	1N4148M		
D1164	8-719-987-63	DIODE	1N4148M		
D1401	8-719-987-63	DIODE	1N4148M		
D1402	8-719-987-63	DIODE	1N4148M		
		< FRONTEND >			
FE1301	1-233-666-11	ENCAPSULATED COMPONENT (US, CND)			
FE1301	1-233-670-11	ENCAPSULATED COMPONENT (AUS)			

Ref. No.	Part No.	Description			Remark
		< IC >			
IC1301	8-759-248-74	IC	LA2785		
IC1302	8-759-341-23	IC	LV1011		
IC1303	8-759-634-51	IC	M5218AP		
IC1304	8-759-701-59	IC	NJM78M09FA		
IC1401	8-759-072-32	IC	TC9184P		
IC1402	8-759-634-51	IC	M5218AP		
IC1403	8-759-060-73	IC	NJU3713D		
		< COIL >			
L1301	1-410-509-11	INDUCTOR	10uH		
L1302	1-410-509-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q401	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q402	8-729-202-67	TRANSISTOR	2SK246-GR3		
Q451	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q452	8-729-202-67	TRANSISTOR	2SK246-GR3		
Q1401	8-729-900-36	TRANSISTOR	DTC124ES		
Q1402	8-729-900-63	TRANSISTOR	DTA124ES		
Q1403	8-729-900-63	TRANSISTOR	DTA124ES		
Q1404	8-729-900-63	TRANSISTOR	DTA124ES		
Q1410	8-729-900-63	TRANSISTOR	DTA124ES		
		< RESISTOR >			
R1151	1-249-429-11	CARBON	10K	5%	1/4W
R1152	1-249-413-11	CARBON	470	5%	1/4W
R1153	1-249-417-11	CARBON	1K	5%	1/4W (US, CND, AUS)
R1154	1-249-417-11	CARBON	1K	5%	1/4W (US, CND, AUS)
R1155	1-249-417-11	CARBON	1K	5%	1/4W (US, CND, AUS)
R1161	1-249-429-11	CARBON	10K	5%	1/4W
R1307	1-249-417-11	CARBON	1K	5%	1/4W
R1308	1-249-431-11	CARBON	15K	5%	1/4W
R1310	1-249-436-11	CARBON	39K	5%	1/4W
R1311	1-249-439-11	CARBON	68K	5%	1/4W
R1312	1-247-903-00	CARBON	1M	5%	1/4W
R1313	1-249-441-11	CARBON	100K	5%	1/4W
R1314	1-249-429-11	CARBON	10K	5%	1/4W
R1315	1-249-433-11	CARBON	22K	5%	1/4W
R1316	1-249-429-11	CARBON	10K	5%	1/4W
R1363	1-249-441-11	CARBON	100K	5%	1/4W
R1364	1-249-429-11	CARBON	10K	5%	1/4W
R1365	1-249-433-11	CARBON	22K	5%	1/4W
R1366	1-249-429-11	CARBON	10K	5%	1/4W
R1401	1-249-426-11	CARBON	5.6K	5%	1/4W

SURROUND SWP

Ref. No.	Part No.	Description			Remark
R1402	1-249-437-11	CARBON	47K	5%	1/4W
R1403	1-249-429-11	CARBON	10K	5%	1/4W
R1404	1-249-440-11	CARBON	82K	5%	1/4W
R1405	1-249-417-11	CARBON	1K	5%	1/4W
R1406	1-249-413-11	CARBON	470	5%	1/4W
R1407	1-249-427-11	CARBON	6.8K	5%	1/4W
R1408	1-247-883-00	CARBON	150K	5%	1/4W
R1409	1-247-843-11	CARBON	3.3K	5%	1/4W
R1410	1-247-903-00	CARBON	1M	5%	1/4W
R1411	1-249-441-11	CARBON	100K	5%	1/4W
R1412	1-249-426-11	CARBON	5.6K	5%	1/4W
R1413	1-249-441-11	CARBON	100K	5%	1/4W
R1414	1-249-429-11	CARBON	10K	5%	1/4W
R1415	1-249-434-11	CARBON	27K	5%	1/4W
R1416	1-249-426-11	CARBON	5.6K	5%	1/4W
R1417	1-249-418-11	CARBON	1.2K	5%	1/4W
R1418	1-247-895-00	CARBON	470K	5%	1/4W
R1419	1-249-441-11	CARBON	100K	5%	1/4W
R1420	1-249-437-11	CARBON	47K	5%	1/4W
R1430	1-249-429-11	CARBON	10K	5%	1/4W
R1451	1-249-426-11	CARBON	5.6K	5%	1/4W
R1452	1-249-437-11	CARBON	47K	5%	1/4W
R1455	1-249-417-11	CARBON	1K	5%	1/4W
R1456	1-249-413-11	CARBON	470	5%	1/4W
R1457	1-249-427-11	CARBON	6.8K	5%	1/4W
R1458	1-247-883-00	CARBON	150K	5%	1/4W
R1459	1-247-843-11	CARBON	3.3K	5%	1/4W
R1460	1-247-903-00	CARBON	1M	5%	1/4W
R1461	1-249-441-11	CARBON	100K	5%	1/4W
R1462	1-249-426-11	CARBON	5.6K	5%	1/4W
R1463	1-249-441-11	CARBON	100K	5%	1/4W
R1465	1-249-434-11	CARBON	27K	5%	1/4W
R1466	1-249-426-11	CARBON	5.6K	5%	1/4W
R1467	1-249-418-11	CARBON	1.2K	5%	1/4W
R1468	1-247-895-00	CARBON	470K	5%	1/4W
R1470	1-249-440-11	CARBON	82K	5%	1/4W
R1471	1-249-437-11	CARBON	47K	5%	1/4W
R1472	1-249-429-11	CARBON	10K	5%	1/4W
R1473	1-249-425-11	CARBON	4.7K	5%	1/4W
R1474	1-249-425-11	CARBON	4.7K	5%	1/4W
R1475	1-249-425-11	CARBON	4.7K	5%	1/4W
R1476	1-249-425-11	CARBON	4.7K	5%	1/4W
R1477	1-249-417-11	CARBON	1K	5%	1/4W
R1478	1-249-417-11	CARBON	1K	5%	1/4W (US, CND, AUS)
R1479	1-249-417-11	CARBON	1K	5%	1/4W
R1480	1-249-429-11	CARBON	10K	5%	1/4W
R1494	1-247-903-00	CARBON	1M	5%	1/4W
R1495	1-249-425-11	CARBON	4.7K	5%	1/4W
R1496	1-249-419-11	CARBON	1.5K	5%	1/4W
R1497	1-249-419-11	CARBON	1.5K	5%	1/4W
R1498	1-249-425-11	CARBON	4.7K	5%	1/4W

< TERMINAL >

TM1301	1-537-769-11	TERMINAL BOARD (ANTENNA)	(US, CND)
TM1301	1-537-488-11	TERMINAL BOARD (ANTENNA)	(AUS)

< TEST PIN >

* TP400	1-560-200-00	BASE POST, MCD CONNECTOR 2P	

< VIBRATOR >

X301	1-579-952-21	VIBRATOR, CERAMIC (8.00MHz)	

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*	A-4390-869-A	SWP BOARD, COMPLETE	(EXCEPT CH)
*	A-4390-868-A	SWP BOARD, COMPLETE	(CH)

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< CAPACITOR >

C500	1-162-294-31	CERAMIC	0.001uF	10%	50V
C501	1-136-153-00	FILM	0.01uF	5%	50V
C503	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C503	1-126-048-81	ELECT	10uF	20%	50V (CH)
C505	1-124-925-11	ELECT	2.2uF	20%	50V
C509	1-136-159-00	FILM	0.033uF	5%	50V (EXCEPT CH)
C510	1-136-159-00	FILM	0.033uF	5%	50V (EXCEPT CH)
C511	1-162-294-31	CERAMIC	0.001uF	10%	50V (EXCEPT CH)
C512	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C512	1-126-048-81	ELECT	10uF	20%	50V (CH)
C513	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C513	1-126-048-81	ELECT	10uF	20%	50V (CH)
C515	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C515	1-126-048-81	ELECT	10uF	20%	50V (CH)
C516	1-124-907-11	ELECT	10uF	20%	50V (EXCEPT CH)
C516	1-126-048-81	ELECT	10uF	20%	50V (CH)

Ref. No.	Part No.	Description		Remark
C548	1-162-282-31	CERAMIC	100PF	10% 50V
C549	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C549	1-126-048-81	ELECT	10uF	20% 50V (CH)
C550	1-162-294-31	CERAMIC	0.001uF	10% 50V
C551	1-136-153-00	FILM	0.01uF	5% 50V
C553	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C553	1-126-048-81	ELECT	10uF	20% 50V (CH)
C559	1-136-159-00	FILM	0.033uF	5% 50V (EXCEPT CH)
C560	1-136-159-00	FILM	0.033uF	5% 50V (EXCEPT CH)
C562	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C562	1-126-048-81	ELECT	10uF	20% 50V (CH)
C563	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C563	1-126-048-81	ELECT	10uF	20% 50V (CH)
C599	1-124-907-11	ELECT	10uF	20% 50V (EXCEPT CH)
C599	1-126-048-81	ELECT	10uF	20% 50V (CH)
		< CONNECTOR >		
CNE503	1-770-970-11	PIN, CONNECTOR(PCB)(V TYPE)10P		
CNE505	1-770-969-11	PIN, CONNECTOR (PCB)(V TYPE)9P		
CNE506	1-770-969-11	PIN, CONNECTOR (PCB)(V TYPE)9P		
CNS201	1-695-096-11	SOCKET, CONNECTOR 15P		
CNS504	1-750-179-11	SOCKET, CONNECTOR 5P		
CNS508	1-750-983-11	CONNECTOR, BOARD TO BOARD 15P		
CNS509	1-750-983-11	CONNECTOR, BOARD TO BOARD 15P		
		< DIODE >		
D111	8-719-987-63	DIODE 1N4148M		
D112	8-719-987-63	DIODE 1N4148M		
D501	8-719-987-63	DIODE 1N4148M		
D503	8-719-987-63	DIODE 1N4148M		
		< IC >		
IC501	8-759-805-13	IC LC7821		
IC502	8-759-805-15	IC LC7823		
IC503	8-759-634-51	IC M5218AP		
IC508	8-759-708-05	IC NJM78L05A		
IC509	8-759-805-14	IC LC7822 (EXCEPT CH)		
IC510	8-759-634-51	IC M5218AP (EXCEPT CH)		
IC511	8-759-634-51	IC M5218AP		
IC512	8-759-634-51	IC M5218AP		
		< TRANSISTOR >		
Q501	8-729-620-05	TRANSISTOR 2SC2603-EF		
Q502	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q503	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q504	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q505	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q506	8-729-620-05	TRANSISTOR 2SC2603-EF		
Q508	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q509	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q510	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q552	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q553	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q554	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q558	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q559	8-729-141-30	TRANSISTOR 2SC3623A-LK		
Q560	8-729-141-30	TRANSISTOR 2SC3623A-LK		
		< RESISTOR >		
R500	1-249-425-11	CARBON	4.7K 5%	1/4W
R501	1-249-429-11	CARBON	10K 5%	1/4W
R502	1-249-429-11	CARBON	10K 5%	1/4W
R503	1-249-431-11	CARBON	15K 5%	1/4W
R504	1-249-426-11	CARBON	5.6K 5%	1/4W
R505	1-249-413-11	CARBON	470 5%	1/4W
R506	1-249-426-11	CARBON	5.6K 5%	1/4W
R507	1-249-413-11	CARBON	470 5%	1/4W
R508	1-249-426-11	CARBON	5.6K 5%	1/4W
R512	1-249-441-11	CARBON	100K 5%	1/4W
R513	1-249-413-11	CARBON	470 5%	1/4W
R514	1-249-413-11	CARBON	470 5%	1/4W
R515	1-249-413-11	CARBON	470 5%	1/4W
R516	1-249-426-11	CARBON	5.6K 5%	1/4W
R517	1-249-426-11	CARBON	5.6K 5%	1/4W
R518	1-249-426-11	CARBON	5.6K 5%	1/4W
R519	1-249-436-11	CARBON	39K 5%	1/4W (EXCEPT CH)
R520	1-247-876-11	CARBON	75K 5%	1/4W (EXCEPT CH)
R521	1-249-425-11	CARBON	4.7K 5%	1/4W (EXCEPT CH)
R522	1-249-441-11	CARBON	100K 5%	1/4W
R523	1-249-417-11	CARBON	1K 5%	1/4W
R524	1-249-429-11	CARBON	10K 5%	1/4W
R525	1-249-417-11	CARBON	1K 5%	1/4W
R526	1-249-437-11	CARBON	47K 5%	1/4W
R528	1-249-441-11	CARBON	100K 5%	1/4W

SWP **VIDEO**

Ref. No.	Part No.	Description			Remark
R529	1-249-437-11	CARBON	47K	5%	1/4W
R530	1-249-441-11	CARBON	100K	5%	1/4W
R531	1-249-417-11	CARBON	1K	5%	1/4W
R532	1-249-429-11	CARBON	10K	5%	1/4W
R533	1-249-417-11	CARBON	1K	5%	1/4W
R534	1-249-413-11	CARBON	470	5%	1/4W
R535	1-249-426-11	CARBON	5.6K	5%	1/4W
R537	1-249-413-11	CARBON	470	5%	1/4W
R541	1-249-429-11	CARBON	10K	5%	1/4W
R542	1-249-429-11	CARBON	10K	5%	1/4W
R543	1-249-429-11	CARBON	10K	5%	1/4W
R550	1-249-425-11	CARBON	4.7K	5%	1/4W
R551	1-249-429-11	CARBON	10K	5%	1/4W
R552	1-249-429-11	CARBON	10K	5%	1/4W
R553	1-247-883-00	CARBON	150K	5%	1/4W
R555	1-249-413-11	CARBON	470	5%	1/4W
R556	1-249-426-11	CARBON	5.6K	5%	1/4W
R557	1-249-413-11	CARBON	470	5%	1/4W
R558	1-249-426-11	CARBON	5.6K	5%	1/4W
R563	1-249-413-11	CARBON	470	5%	1/4W
R564	1-249-413-11	CARBON	470	5%	1/4W
R565	1-249-413-11	CARBON	470	5%	1/4W
R566	1-249-426-11	CARBON	5.6K	5%	1/4W
R567	1-249-426-11	CARBON	5.6K	5%	1/4W
R568	1-249-426-11	CARBON	5.6K	5%	1/4W
R569	1-249-436-11	CARBON	39K	5%	1/4W (EXCEPT CH)
R570	1-247-876-11	CARBON	75K	5%	1/4W (EXCEPT CH)
R572	1-249-441-11	CARBON	100K	5%	1/4W
R573	1-249-417-11	CARBON	1K	5%	1/4W
R574	1-249-429-11	CARBON	10K	5%	1/4W
R575	1-249-417-11	CARBON	1K	5%	1/4W
R580	1-249-441-11	CARBON	100K	5%	1/4W
R581	1-249-417-11	CARBON	1K	5%	1/4W
R582	1-249-429-11	CARBON	10K	5%	1/4W
R583	1-249-417-11	CARBON	1K	5%	1/4W
R584	1-249-413-11	CARBON	470	5%	1/4W
R585	1-249-426-11	CARBON	5.6K	5%	1/4W
R593	1-249-429-11	CARBON	10K	5%	1/4W
		< RELAY >			
RY501	1-515-614-11	RELAY			
RY503	1-515-614-11	RELAY			

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Ref. No.	Part No.	Description			Remark
*	A-4390-923-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C812	1-124-443-00	ELECT	47uF	20%	16V
C838	1-164-159-11	CERAMIC	0.1uF		50V
C856	1-124-903-11	ELECT	1uF	20%	50V
C858	1-124-903-11	ELECT	1uF	20%	50V
C862	1-124-903-11	ELECT	1uF	20%	50V
C864	1-124-907-11	ELECT	10uF	20%	50V
C865	1-124-907-11	ELECT	10uF	20%	50V
C866	1-124-907-11	ELECT	10uF	20%	50V
C867	1-124-903-11	ELECT	1uF	20%	50V
		< CONNECTOR >			
CNS806	1-695-093-11	SOCKET, CONNECTOR 9P			
		< IC >			
IC811	8-759-061-95	IC SN761200			
		< JACK >			
J808	1-774-821-11	JACK, PIN 3P (VIDEO 2 VIDEO OUT, LD VIDEO IN, TV VIDEO IN)			
J809	1-774-821-11	JACK, PIN 3P (VIDEO 1 VIDEO IN, VIDEO OUT, VIDEO 2 VIDEOIN)			
J810	1-770-336-11	JACK, PIN 2P (MONITOR OUT 1, OUT 2)			
		< TRANSISTOR >			
Q814	8-729-620-05	TRANSISTOR	2SC2603-EF		
Q815	8-729-620-05	TRANSISTOR	2SC2603-EF		
Q816	8-729-620-05	TRANSISTOR	2SC2603-EF		
Q817	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q818	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q819	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q826	8-729-900-36	TRANSISTOR	DTC124ES		
		< RESISTOR >			
R807	1-249-409-11	CARBON	220	5%	1/4W
R866	1-249-403-11	CARBON	68	5%	1/4W
R868	1-249-403-11	CARBON	68	5%	1/4W
R869	1-249-403-11	CARBON	68	5%	1/4W
R870	1-249-426-11	CARBON	5.6K	5%	1/4W
R871	1-249-426-11	CARBON	5.6K	5%	1/4W
R872	1-249-426-11	CARBON	5.6K	5%	1/4W
R873	1-249-403-11	CARBON	68	5%	1/4W
R874	1-249-403-11	CARBON	68	5%	1/4W
R875	1-249-403-11	CARBON	68	5%	1/4W

Ref. No.	Part No.	Description			Remark
R876	1-249-419-11	CARBON	1.5K	5%	1/4W
R877	1-249-419-11	CARBON	1.5K	5%	1/4W
R878	1-249-419-11	CARBON	1.5K	5%	1/4W
R879	1-249-403-11	CARBON	68	5%	1/4W
R880	1-249-403-11	CARBON	68	5%	1/4W
R881	1-249-403-11	CARBON	68	5%	1/4W
R882	1-249-403-11	CARBON	68	5%	1/4W
R883	1-249-403-11	CARBON	68	5%	1/4W
R885	1-249-403-11	CARBON	68	5%	1/4W
R888	1-249-430-11	CARBON	12K	5%	1/4W
R889	1-249-430-11	CARBON	12K	5%	1/4W
R890	1-249-430-11	CARBON	12K	5%	1/4W
R8009	1-249-409-11	CARBON	220	5%	1/4W
R8010	1-249-409-11	CARBON	220	5%	1/4W
**********					
*	1-661-563-11	VOLUME BOARD			
		**********			
	7-682-548-04	SCREW +BVTT 3X8 (S)			
		< CONNECTOR >			
CNP107	1-770-389-11	PIN, CONNECTOR (PC BOARD) 5P			
CNP108	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P			
		< VARIABLE RESISTOR >			
RV501	1-225-232-11	RES, VAR, CARBON 100KX6 (MASTER VOL)			
**********					
		MISCELLANEOUS			
		**********			
⚠67	1-569-008-21	ADAPTOR, CONVERSION 2P (CH)			
⚠CNP901	1-690-608-11	CORD, POWER (AUS)			
⚠CNP901	1-769-743-11	CORD, POWER (US, CND)			
⚠CNP901	1-776-095-11	CORD, POWER (CH)			
⚠CNS901	1-251-078-11	OUTLET, AC. (AUS)			
⚠CNS901	1-526-794-11	OUTLET, AC (CH)			
⚠T1	1-429-589-11	TRANSFORMER, POWER (US)			
⚠T1	1-429-590-11	TRANSFORMER, POWER (AUS)			
⚠T1	1-429-594-11	TRANSFORMER, POWER (CH)			
⚠T1	1-429-596-11	TRANSFORMER, POWER (CND)			
**********					
		**********			
		HARDWARE LIST			
		**********			
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
#2	7-682-548-04	SCREW +BVTT 3X8 (S)			
#3	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3			
**********					

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-473-629-11	REMOTE COMMANDER (RM-P362)	
	1-501-594-11	ANTENNA (FM) (AUS)	
	1-501-721-11	ANTENNA (LOOP) (GA7ES)	
	3-856-158-31	MANUAL, INSTRUCTION (ENGRISH, FRENCH, SPANISH, CHINESE) (VA7ES)	
	3-856-160-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH) (GA7ES)	
*	4-972-386-01	CUSHION	
	4-983-536-01	LID, BATTERY CASE (for RM-P362)	
*	4-985-238-01	INDIVIDUAL CARTON (GA7ES)	
*	4-985-758-01	INDIVIDUAL CARTON (VA7ES)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

9-960-732-11

Sony Corporation
Home A&V Products Company

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